

Cummins **Onan**



Parts Manual

RV Generator Set

HDCAA (Spec A–D)

HDCAB (Spec A–D)

Introduction

This parts catalog applies to the standard generator sets listed below. Parts are arranged in groups of related items and each illustrated part is defined by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Using the model and specification number from your generator set nameplate, select parts that apply to your set. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

Model Identification	Rating	Wiring Diagram AC/DC	Voltage	Hertz	Phase
10.0HDCAA11506A*	10,000 Watts	611-1256	120/240	60	1
10.0HDCAA11506C/D*	10,000 Watts	630-2676	120/240	60	1
10.0HDCAA11608A*	10,000 Watts	611-1256	120/240	60	1
10.0HDCAA11608C/D*	10,000 Watts	630-2676	120/240	60	1
12.5HDCAB11506A*	12,500 Watts	611-1256	120/240	60	1
12.5HDCAB11506C/D*	12,500 Watts	630-2676	120/240	60	1

* – The specification number denotes customer requested options or deviations from a standard (1A, 1B, etc.) model. The specification letter advances (A, to B, to C, etc.) with major manufacturing changes.

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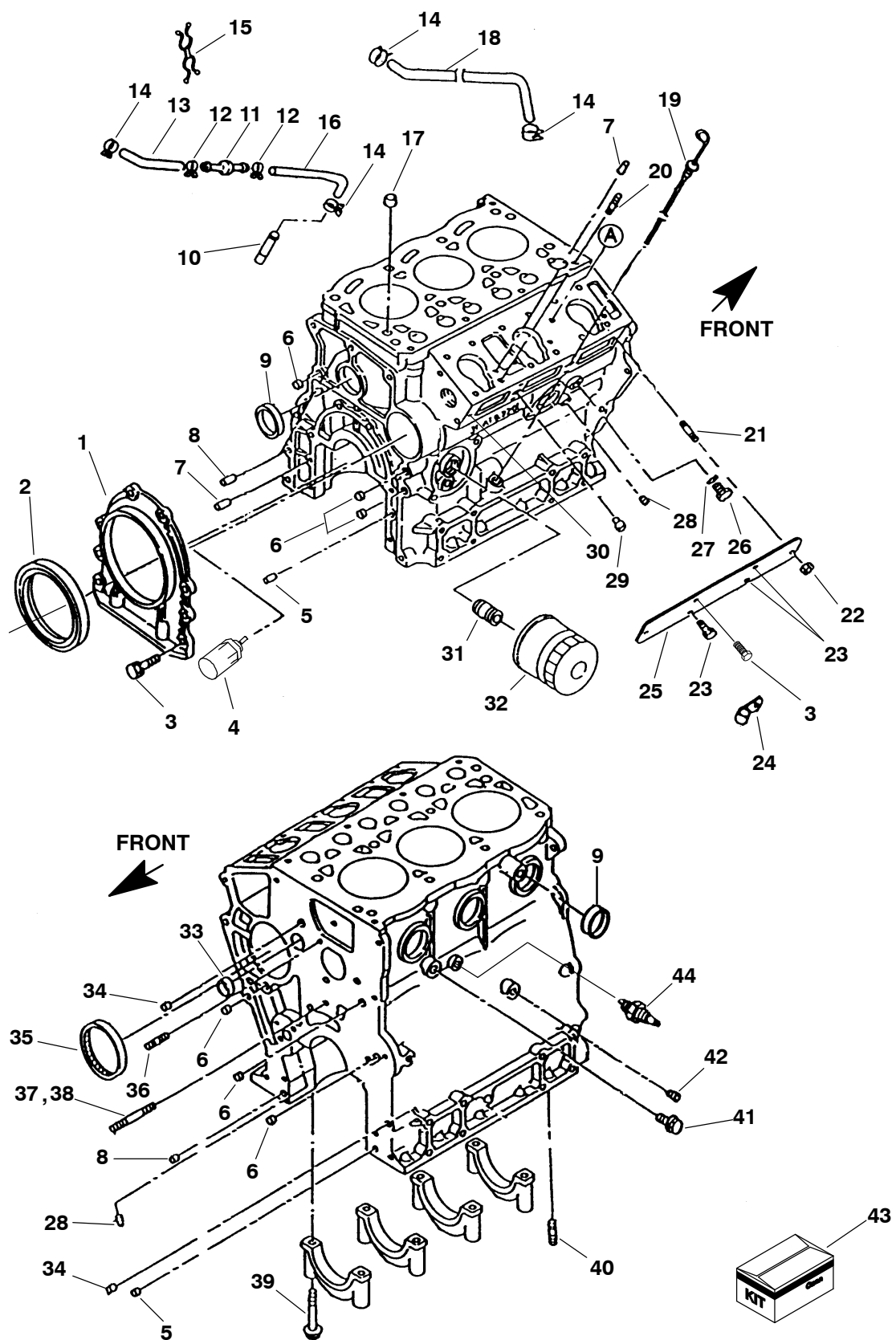
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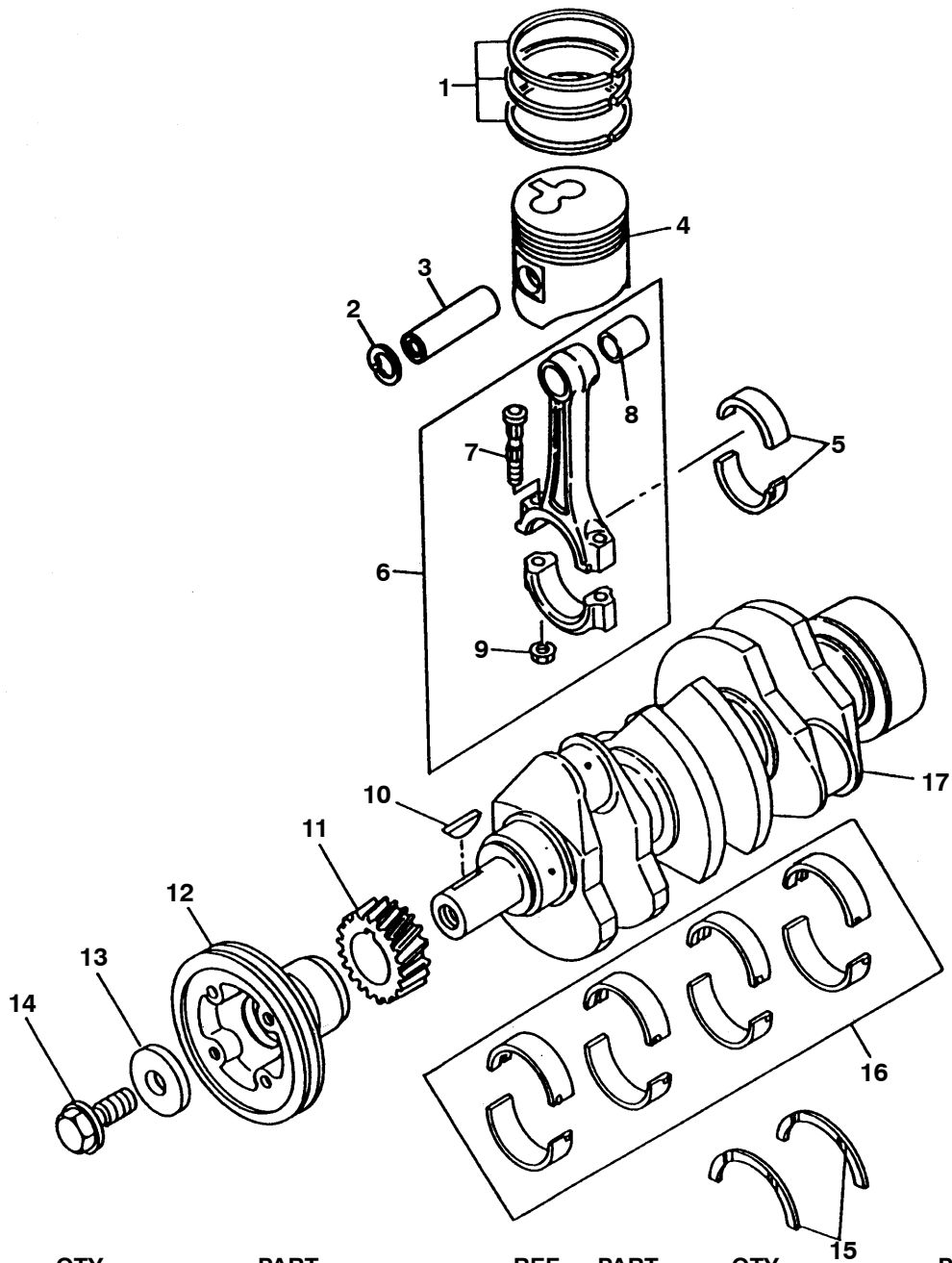
Cylinder Block



Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	100-3709	1	Engine, Replacement	24	187-1331	1	Clip, Fuel Pump Lead Wire
1	187-1196	1	Retainer, Crank Rear	25	187-1287	1	Cover, Injection Pump Housing
2	187-1042	1	Seal, Crank Rear Oil	26	187-1039	1	Plug, Cylinder Block (M14)
3	187-1003	7	Bolt	27	187-1335	1	Gasket, Plug
4	150-2700	1	Actuator (E1)	28	187-1025	2	Plug, Oil Gallery (1/8"PT)
5	187-1341	2	Dowel, Oil Pump	29	187-1190	2	Pin, Control Link
6	187-1038	6	Cup, Sealing (12mm Dia.)	30	187-1143	1	Stud, Injection Pump Housing
7	187-1316	5	Pin, Straight				Cover (19mm Lg)
8	187-1317	2	Pin, Housing Straight	31	187-1140	1	Stud, Oil Filter
9	187-1286	4	Cup, Sealing (35mm Dia.)	32	187-1000	1	Filter, Oil
10	187-1198	1	Connector, PCV	33	187-1023	1	Cup, Sealing (22mm Dia.)
11	187-1134	1	Valve, Check	34	187-1341	2	Dowel, Timing Case
12	187-1131	2	Clip, Hose	35	187-1220	1	Bearing, Cam Center Needle
13	187-1278	1	Hose, PCV	36	187-1310	1	Stud, Water Pump (40mm)
14	187-1043	4	Clip, Hose	37	187-1312	1	Stud, Timing Case (60mm)
15	187-1066	1	Clip, Hose	38	187-1311	1	Stud, Timing Case (50mm)
16	187-1277	1	Hose, PCV	39	187-1115	8	Bolt, Metal Cap
17	187-1126	2	Dowel, Cylinder Head	40	187-1307	2	Stud, Oil Pan
18	187-1276	1	Hose, PCV	41	187-1337	1	Plug, Water Drain (1/4"PT)
19	187-1290	1	Indicator, Oil Level	42	187-1349	1	Plug, Oil Gallery (1/4" PT)
20	187-1021	6	Stud, Injection Pump (20mm)	43	187-1308	1	Kit, Engine Repair (Top
21	187-1307	1	Stud, Injection Pump Housing				Overhaul)
			Cover (16mm Lg)	44	185-5492	1	Switch, Oil
22	187-1018	2	Nut, Cover				(Replacement Switch)
23	187-1002	3	Bolt, Cover				

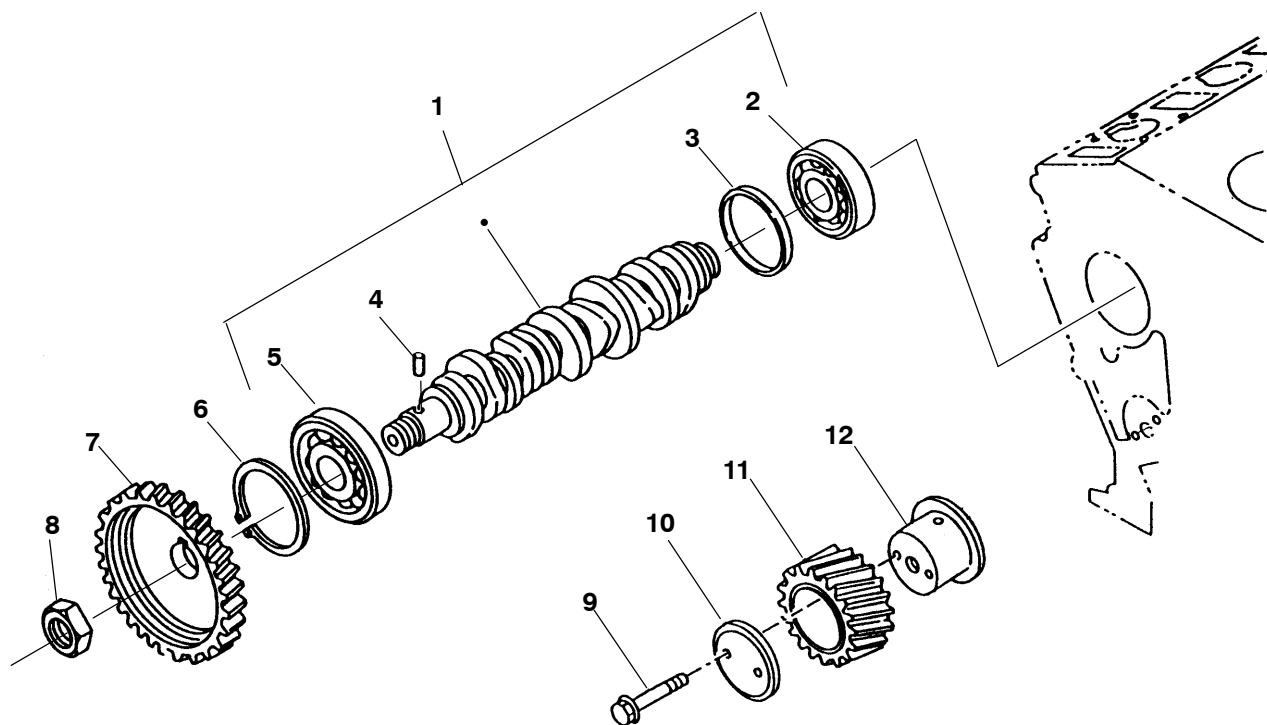
Crankshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Ring Set, Piston	10	187-1127	1	Key, Woodruff
	187-1294	3	Standard	11	187-1163	1	Gear, Crankshaft
	187-1217	3	0.25 Oversized	12			Pulley, Crankshaft
2	187-1063	6	Ring, Snap		187-1247	1	115mm OD x 17mm Width
3	187-1048	3	Pin, Piston		512-0261*	1	125mm OD x 18mm Width
4			Piston	13	187-1113	1	Washer
	187-1272	3	Standard	14	187-1147	1	Bolt
	187-1202	3	0.25 Oversize)	15	187-1047	2	Washer, Thrust
5	187-1114	3	Bearing Set	16	187-1216	1	Washer Kit, Standard Thrust
6	187-1218	3	Rod, Connecting (Includes Bolts, Bush and Nuts)	17	187-1195	1	Crankshaft
7	187-1128	6	Bolt				
8	187-1049	3	Bush				
9	187-1129	6	Nut				

* All units after Serial no. K000173820,

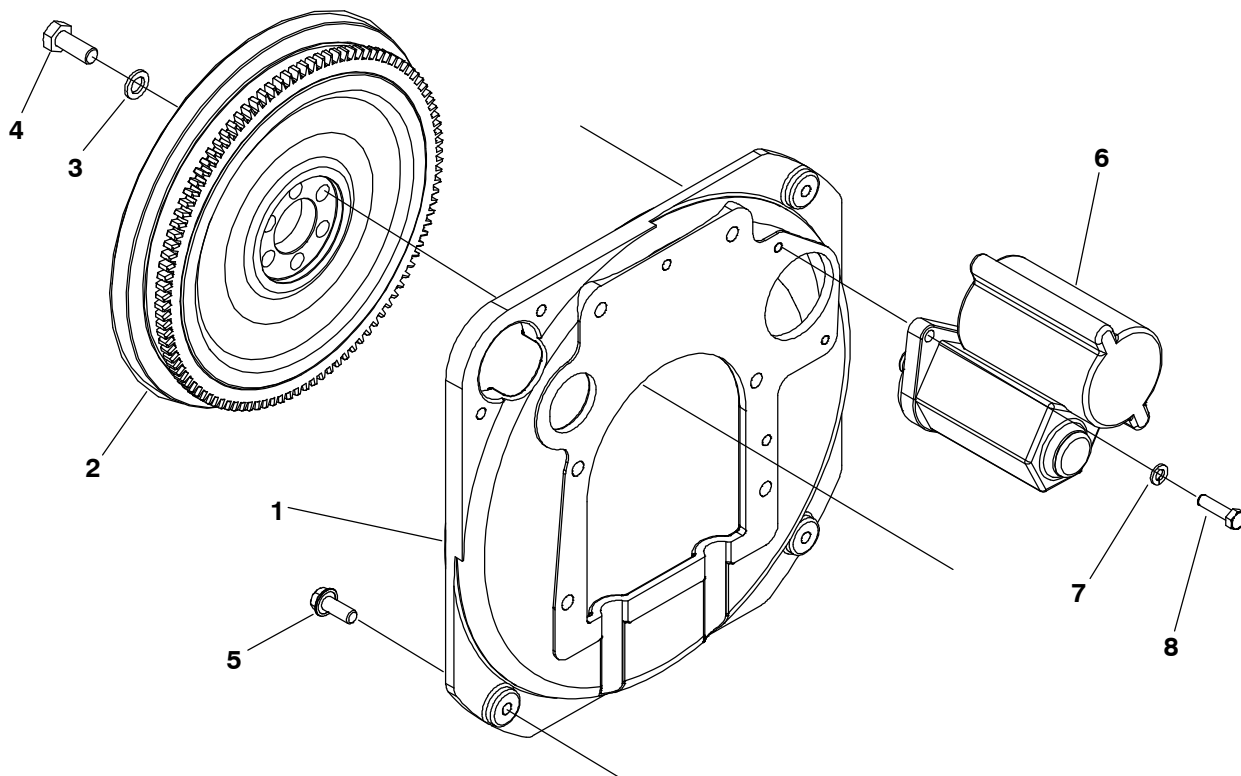
Camshaft/Idle Gear



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1228	1	Camshaft Assy (Includes Parts Marked *)	8	187-1035	1	Nut, Cam Gear
2	187-1304	1	*Bearing, Rear Ball	9	187-1016	2	Bolt
3	187-1227	1	*Ring, Camshaft Wear	10	187-1050	1	Collar, Thrust
4	187-1339	1	*Pin	11	187-1300	1	Gear, Idle (with Bush)
5	187-1303	1	*Bearing, Front Ball	12	187-1299	1	Shaft, Idle Gear
6	187-1238	1	Ring, Snap				
7	187-1273	1	Gear, Injection Pump & Valve				

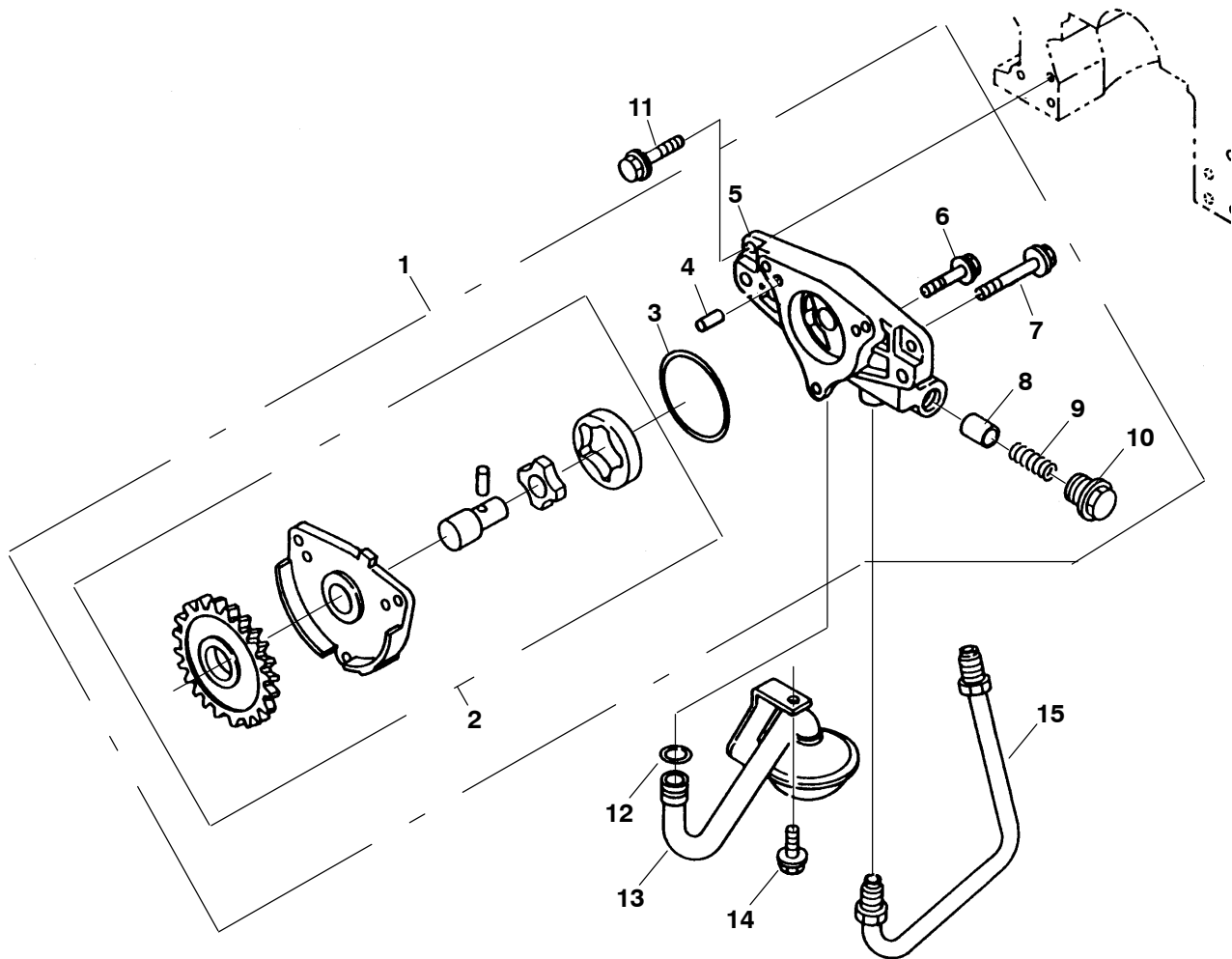
* - Parts Included in Camshaft Assy.

Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-1934	1	Housing, Flywheel	6	191-2229	1	Starter (See Separate Page for Components)
2	104-1936	1	Flywheel	7	850-2008	2	Washer, Lock (M8)
3	187-1158	6	Washer	8	800-2515	2	Screw, Hex Head Cap (M8 x 1.25 x 30mm)
4	187-1112	6	Bolt				
5	821-2061	6	Screw, Lock Head Flange (M10 x 1.5 x 25mm)				

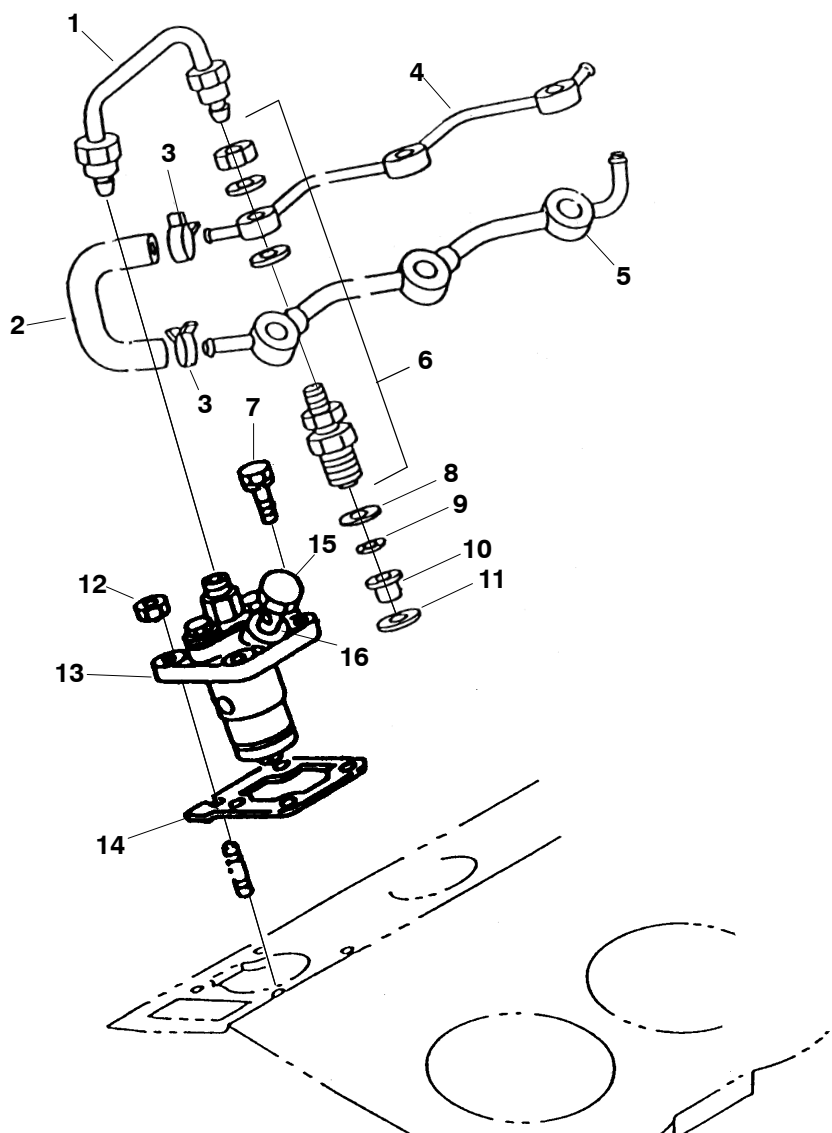
Oil Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1222	1	Pump Assy, Oil (Includes Parts Marked *)	10	187-1058	1	*Plug, Valve
2	187-1197	1	*Pump, Oil	11	187-1009	4	Bolt
3	187-1291	1	*O'Ring	12	187-1029	1	O'Ring, Strainer
4	187-1316	2	*Pin	13	187-1204	1	Strainer, Oil
5	187-1223	1	*Body	14	187-1007	1	Bolt
6	187-1005	2	*Bolt	15	187-1205	1	Pipe, Oil
7	187-1006	1	*Bolt				
8	187-1130	1	*Valve, Relief				
9	187-1293	1	*Spring, Valve				

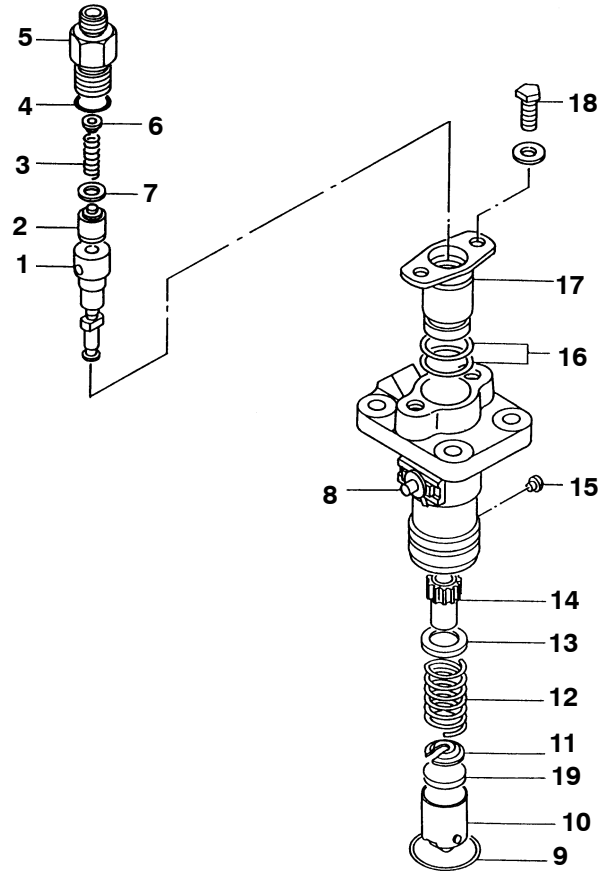
* - Parts Included in Oil Pump Assy.

Injection Pump



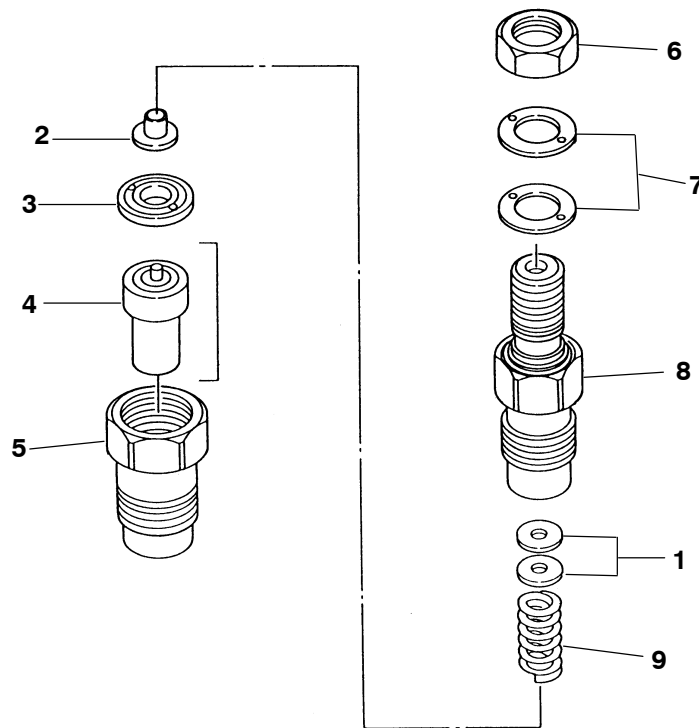
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1352	3	Pipe, Injection	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">14</div> <div> Separate Page for Components) Shim, Injection Pump </div> </div>			
2	187-1215	1	Hose, Fuel Feed Leakoff				
3	187-1043	2	Clip, Fuel Hose				
4	187-1210	1	Pipe, Fuel Leakoff				
5	187-1270	1	Pipe, Fuel Feed				
6	187-1249	3	Nozzle Assy, Injection (See Separate Page for Components)				
7	187-1010	6	Bolt	187-1166	AR	0.2mm	
8	187-1136	3	Gasket, Nozzle Holder	187-1167	AR	0.3mm	
9	187-1060	3	Washer, Corrugated	187-1168	AR	0.4mm	
10	187-1061	3	Shield, Nozzle Heat	187-1169	AR	0.5mm	
11	187-1137	3	Gasket, Heat Shield	187-1170	AR	0.6mm	
12	187-1019	6	Nut	187-1171	AR	0.7mm	
13	187-1162	3	Pump Assy, Injection (See	187-1172	AR	0.8mm	
				187-1173	AR	1.0mm	
				187-1174	AR	1.2mm	
				15	184-0009	1	Bolt
				16	184-0010	1	Gasket

Injection Pump Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	187-1162	1	Pump, Injection		187-1081	AR	2.90
1	187-1302	3	Plunger		187-1082	AR	2.95
2	187-1253	3	Valve, Delivery		187-1083	AR	3.00
3	187-1067	3	Spring, Delivery		187-1084	AR	3.05
4	187-1069	3	O'Ring		187-1085	AR	3.10
5	187-1110	3	Holder, Delivery		187-1086	AR	3.15
6	187-1254	3	Seat, Spring		187-1087	AR	3.20
7	187-1068	3	Gasket		187-1088	AR	3.25
8	187-1258	3	Rack, Control		187-1089	AR	3.30
9	187-1257	3	Ring, Snap		187-1090	AR	3.35
10	187-1070	3	Tappet		187-1091	AR	3.40
11	187-1073	3	Seat, Spring (Lower)		187-1092	AR	3.45
12	187-1071	3	Spring, Plunger		187-1093	AR	3.50
13	187-1072	3	Seat, Spring (Upper)		187-1094	AR	3.55
14	187-1074	3	Sleeve, Control		187-1095	AR	3.60
15	187-1256	3	Pin		187-1096	AR	3.65
16	187-1146	6	O'Ring		187-1097	AR	3.70
17	187-1255	3	Sleeve, Flange		187-1098	AR	3.75
18	187-1145	6	Bolt		187-1199	AR	3.80
19			Plate		187-1100	AR	3.85
	187-1075	AR	2.60		187-1101	AR	3.90
	187-1076	AR	2.65		187-1102	AR	3.95
	187-1077	AR	2.70		187-1103	AR	4.00
	187-1078	AR	2.75		187-1104	AR	4.05
	187-1079	AR	2.80		187-1105	AR	4.10
	187-1080	AR	2.85				

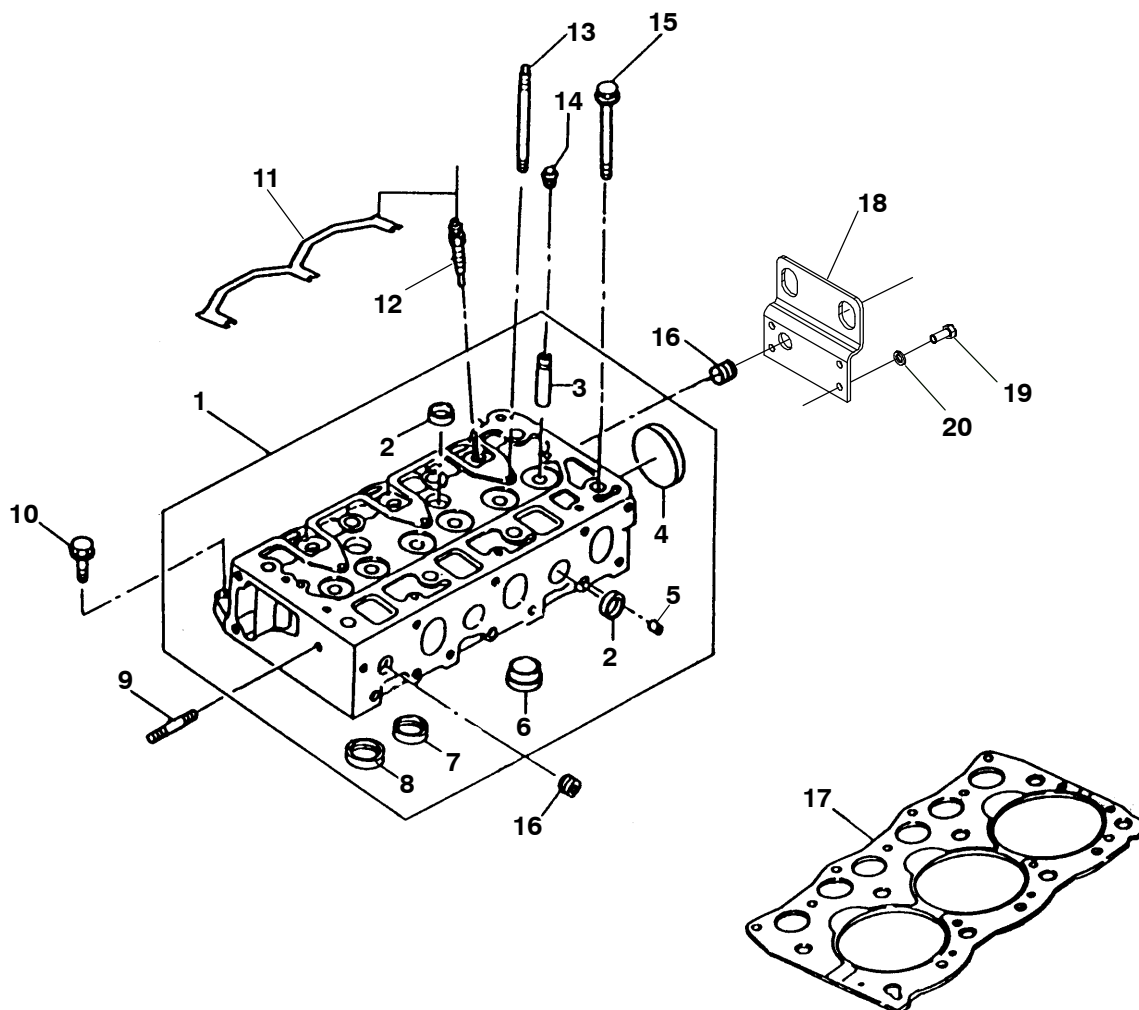
Injection Nozzle Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1249	3	Nozzle, Injection Shim
	187-1116	AR	0.1
	187-1117	AR	0.2
	187-1125	AR	0.3
	187-1118	AR	0.4
	187-1119	AR	0.5
	187-1120	AR	0.52
	187-1121	AR	0.54
	187-1122	AR	0.56
	187-1123	AR	0.58
	187-1124	AR	0.8

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	187-1106	3	Seat, Spring
3	187-1259	3	Spacer
4	187-1346	3	Nozzle
5	187-1264	3	Nut, Retaining
6	187-1108	3	Nut
7	187-1059	6	Gasket
8	NFS	3	Body, Nozzle Holder
9	187-1107	3	Spring, Nozzle

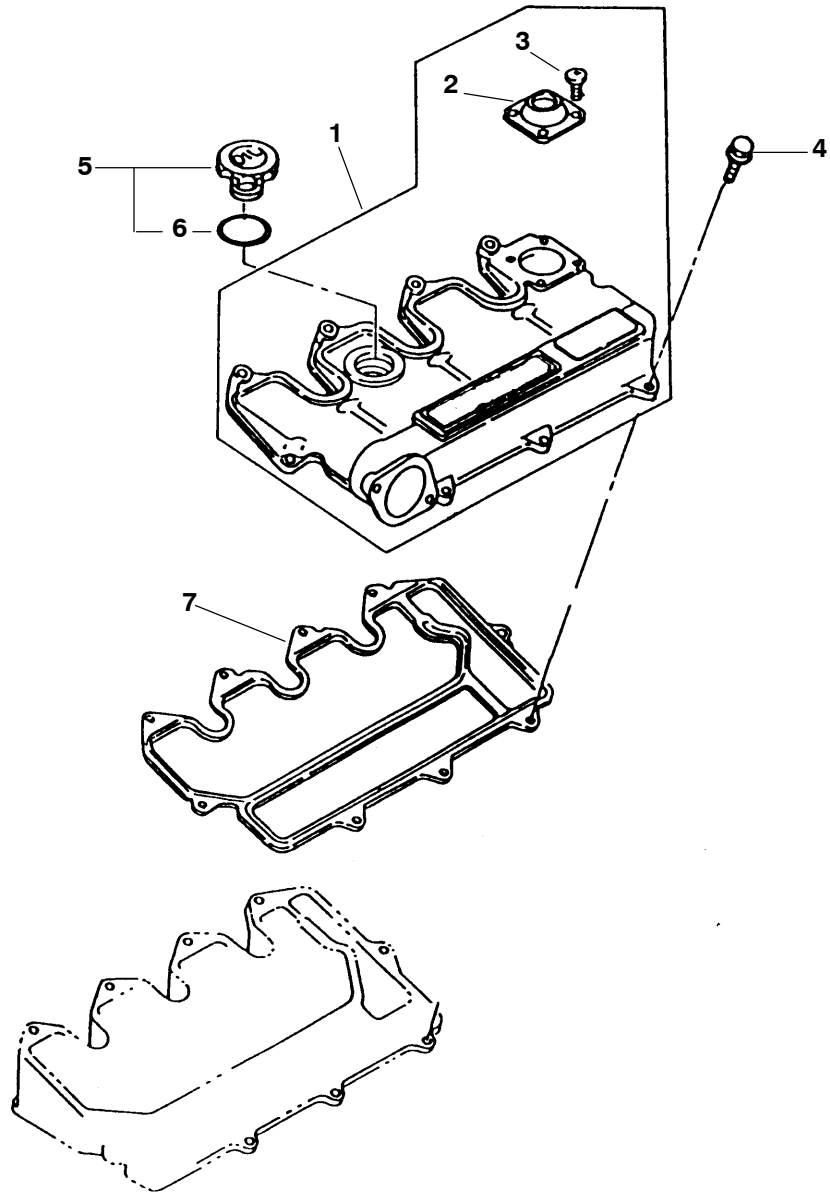
Cylinder Head



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1274	1	Head Assy, Cylinder (Includes Parts Marked *)	13	187-1269	5	Stud, Rocker Bracket
2	187-1023	4	*Cup, Sealing (22mm Dia.)	14	187-1062	6	Seal, Valve
3	187-1159	6	*Guide, Valve	15	187-1185	8	Bolt, Cylinder Head
4	187-1022	1	*Cup, Sealing (44.5mm Dia)	16	187-1040	2	Plug, Heater Switch (3/8"PT)
5	187-1044	4	*Plug, Drilled (8mm Dia.)	17	187-1201	1	Gasket, Cylinder Head
6	187-1226	3	*Plug, Hot	18	403-4209-02	1	Bracket, Lifting
7	187-1199	3	*Seat, Inlet Insert Valve	19	800-2056	4	Screw, Hex Head Cap (M8 x 1.25 x 16mm)
8	187-1200	3	*Seat, Exhaust Insert Valve	20	526-2100	4	Washer, Lock (M8)
9	187-1310	1	Stud, Water Pump				
10	187-1152	4	Bolt, Cylinder Head				
11	187-1212	1	Cord, Glow Plug				
12	187-1289	3	Plug, Glow (HR1)				

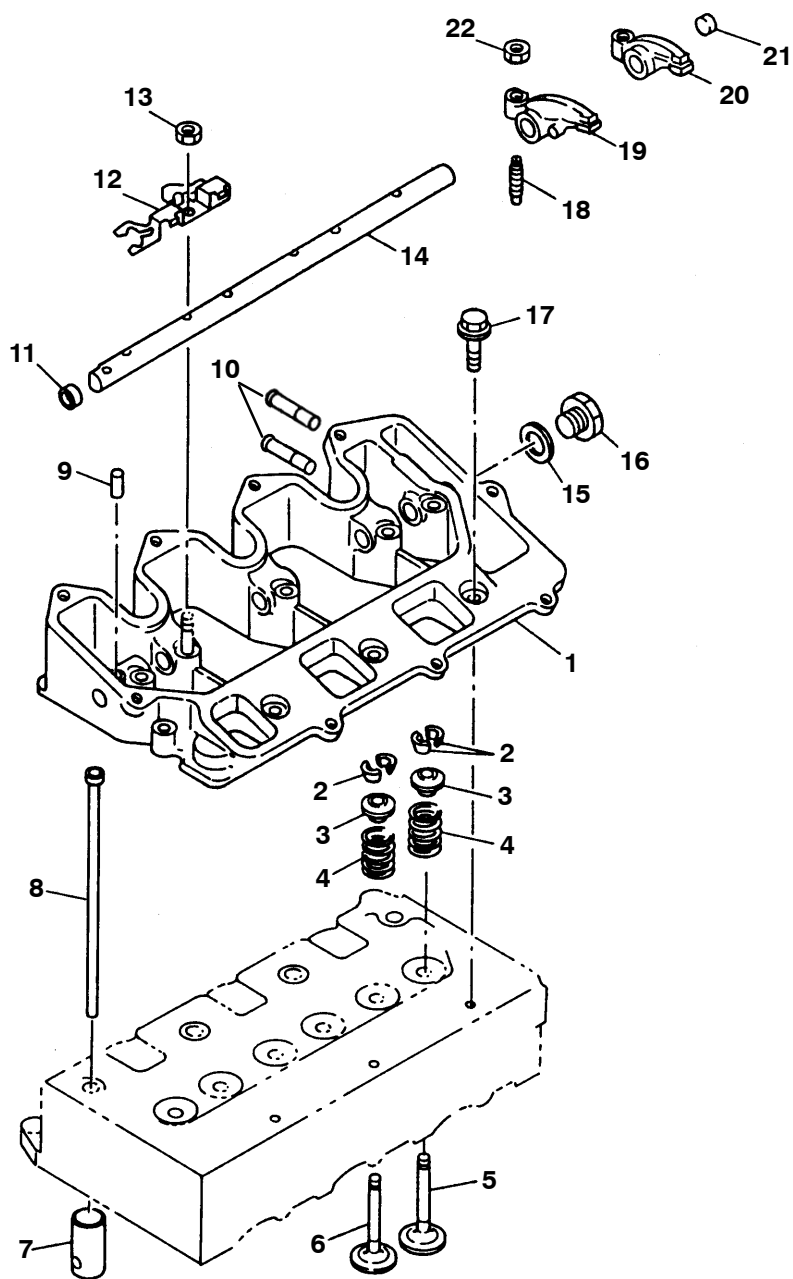
* - Parts Included in Cylinder Head Assy.

Cylinder Head Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1237	1	Cover Assy, Cylinder Head (Includes Ventilator Valve and Screws)	4	187-1003	9	Bolt, Cylinder Head Cover
2	187-1142	1	Valve, Ventilator	5	187-1111	1	Cap Assy, Oil Fill (Includes Gasket)
3	187-1305	4	Screw, Valve	6	187-1065	1	Gasket, Oil Fill Cap
				7	187-1240	1	Gasket, Cylinder Head Cover

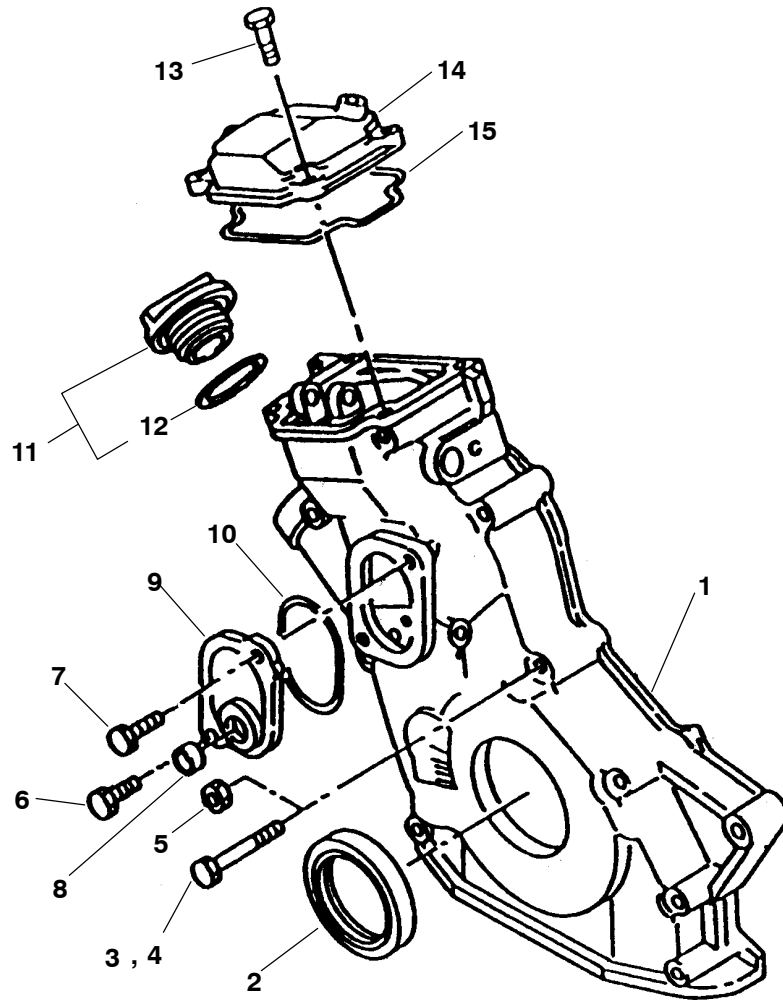
Rocker Arm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1301	1	Bracket, Rocker	12	187-1239	3	Spring, Rocker
2	187-1132	12	Collar, Split	13	187-1018	5	Nut, Rocker Bracket
3	187-1135	6	Seat, Valve Spring	14	187-1238	1	Shaft, Rocker
4	187-1175	6	Spring, Valve	15	187-1334	1	Gasket, Plug
5	187-1211	3	Valve, Exhaust	16	187-1343	1	Plug, Rocker Shaft
6	187-1271	3	Valve, Inlet	17	187-1004	4	Bolt
7	187-1297	6	Tappet	18	187-1153	6	Screw
8	187-1233	6	Rod, Push	19	187-1295	3	Arm, Rocker (Inlet)
9	187-1338	1	Pin	20	187-1296	3	Arm, Rocker (Exhaust)
10	187-1198	2	Pipe	21	187-1191	1	Cup, Sealing (8mm)
11	187-1038	1	Cup, Sealing (12mm)	22	187-1322	6	Nut

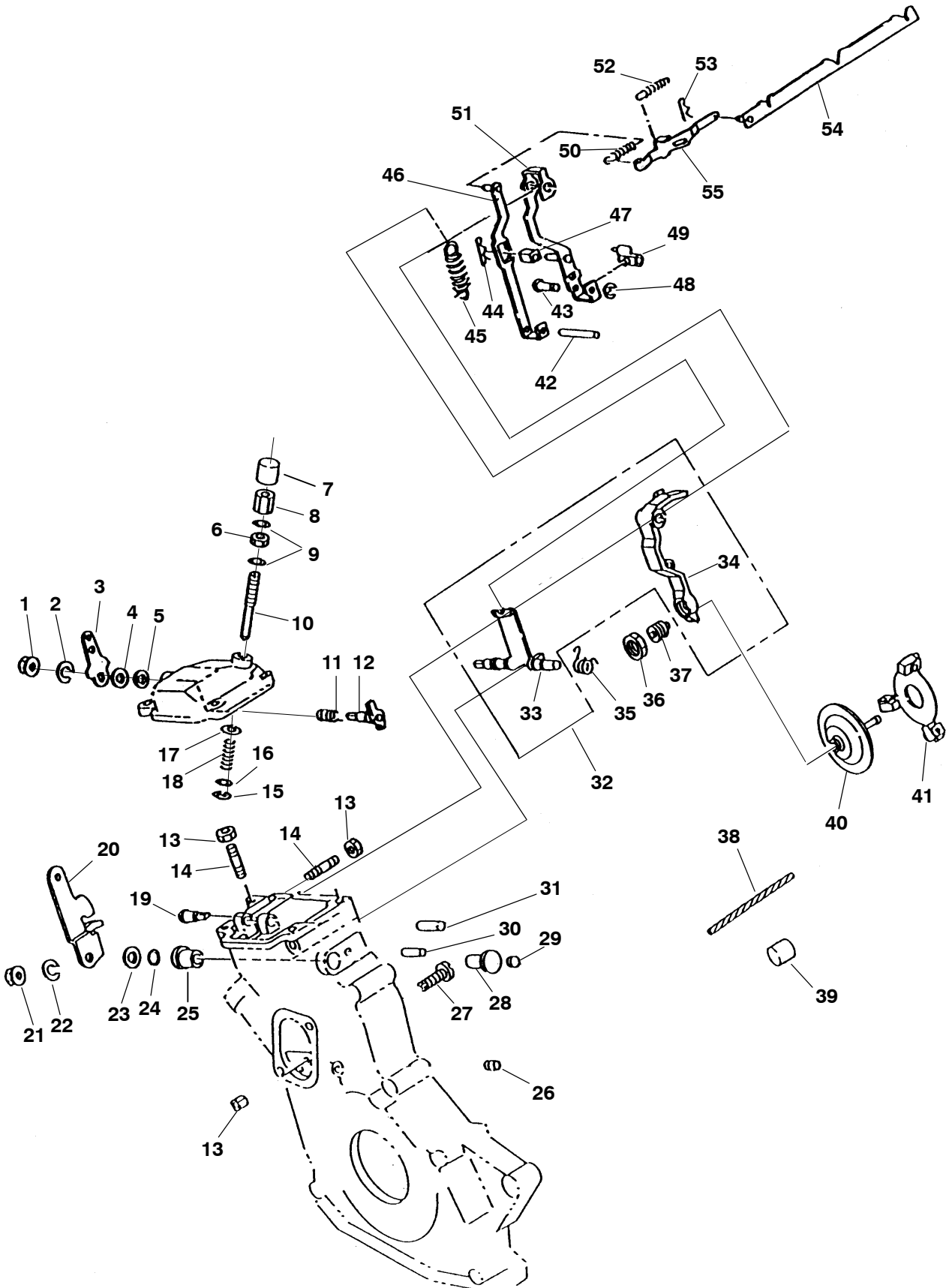
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Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1267	1	Gearcase	9	187-1189	1	Cover, Gearcase
2	187-1041	1	Seal, Crankshaft Front Oil	10	187-1332	1	O'Ring, Gearcase Cover
3	187-1016	6	Bolt, Timing Case	11	187-1149	1	Cap Assy, Oil Fill (Includes Gasket)
4	187-1014	2	Bolt, Timing Case	12	187-1065	1	Gasket, Oil Fill Cap
5	187-1019	2	Nut, Timing Case	13	187-1003	4	Bolt, Cover
6	187-1243	1	Bolt, W/ Detent Hole	14	187-1348	1	Cover, Governor Lever
7	187-1002	1	Bolt, Cover	15	187-1229	1	Gasket, Governor Lever Cover
8	187-1045	1	Cup, Sealing (16mm Dia.)				

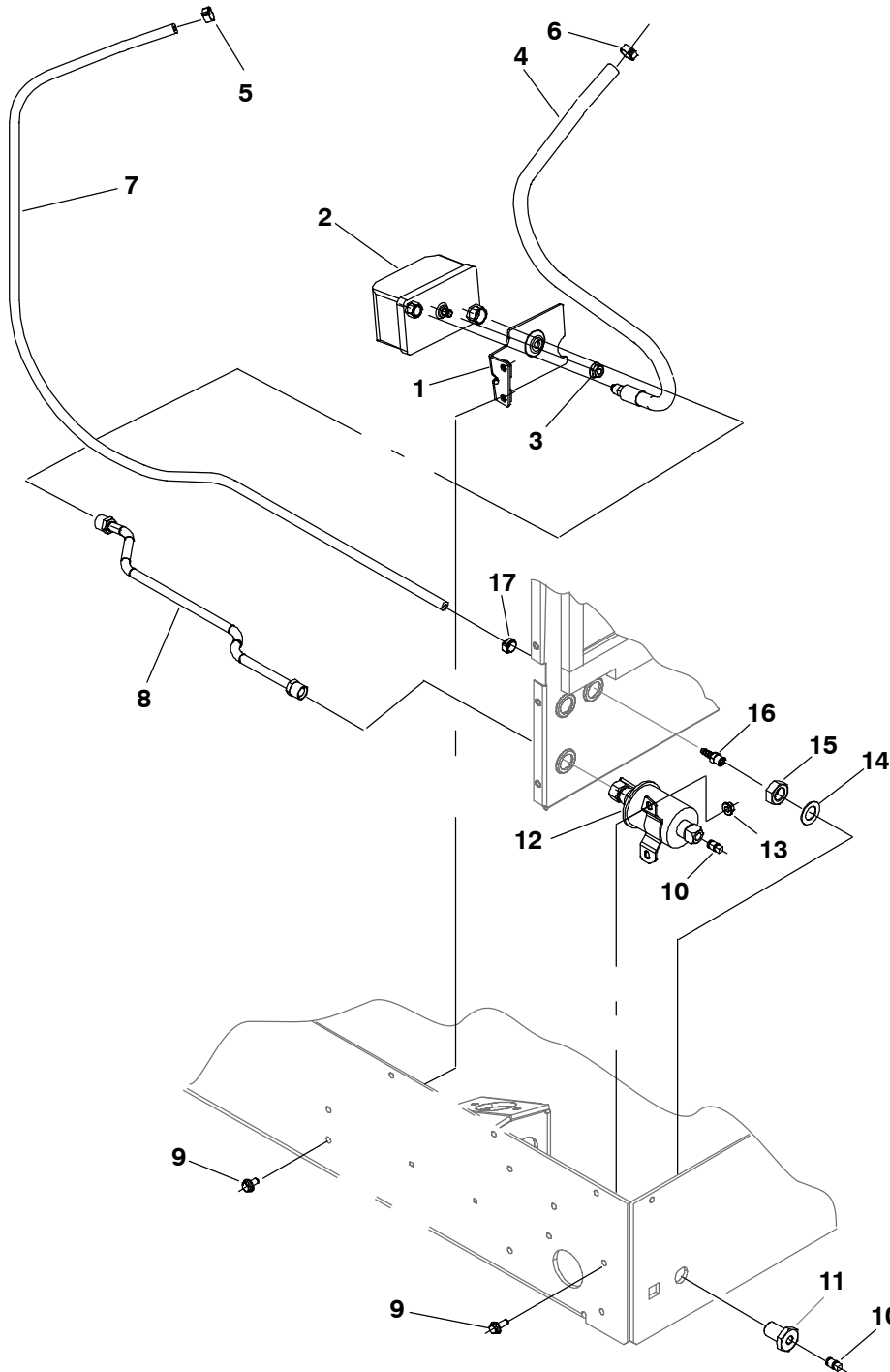
Governor



Governor

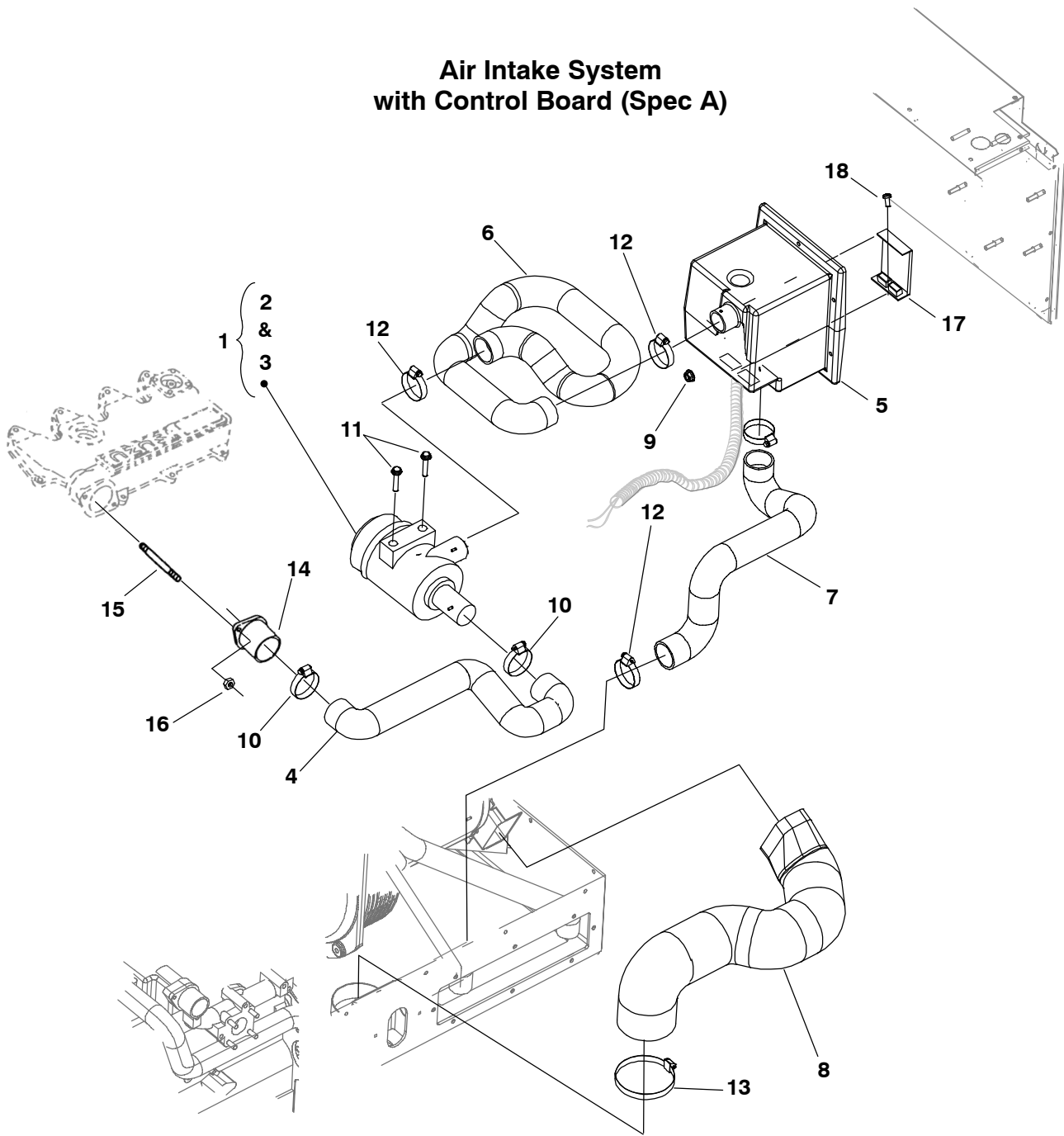
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1321	1	Nut, Shaft Lever	30	187-1313	1	Pin, Control Spring
2	187-1324	1	Washer, Spring	31	187-1318	1	Shaft, Lever
3	187-1156	1	Lever, Fuel Cut	32	187-1268	1	Lever Kit, Governor (Includes Main Spring Lever and Tension Lever)
4	187-1037	1	Washer, Thrust				
5	187-1031	1	O'Ring, Shaft				
6	187-1322	1	Nut, Set Screw	33	187-1182	1	Lever, Main Spring
7	187-1052	1	Cap, Idle Set	34	187-1178	1	Lever, Governor Tension
8	187-1034	1	Nut, Set Screw Cap	35	187-1157	1	Spring, Return
9	187-1036	2	Gasket, Set Screw	36	187-1109	1	Nut, Holder
10	187-1154	1	Screw, Idle Spring Set	37	187-1057	1	Kit, Angleich
11	187-1192	1	Spring, Fuel Cut Return	38	187-1342	2	Wire, Lead Seal
12	187-1155	1	Shaft, Fuel Cut	39	187-1032	2	Seal, Lead
13	187-1322	3	Nut, Screw	40	187-1266	1	Sleeve
14	187-1138	2	Screw, Speed Set Control	41	187-1213	1	Flyweight
15	187-1329	1	Ring, Idle Spring Snap	42	187-1315	1	Shaft, Floating Lever
16	187-1326	1	Washer, Idle Spring Lower	43	187-1319	1	Shaft, Shifter
17	187-1327	1	Washer, Idle Spring Upper	44	187-1030	1	Pin, Governor Lever Sprit
18	187-1347	1	Spring, Idle	45	187-1234	1	Spring, Main
19	187-1053	1	Eye, Start Spring	46	187-1251	1	Lever, Floating
20	187-1225	1	Lever, Governor Control	47	187-1292	1	Piece, Governor Lever Guide Pin
21	187-1321	1	Nut, Lever to Shaft				
22	187-1324	1	Washer, Spring	48	187-1330	1	Ring, Snap
23	187-1037	1	Washer, Thrust	49	187-1179	1	Shifter, Governor
24	187-1031	1	O'Ring, Control Shaft	50	187-1262	1	Spring, Set
25	187-1144	1	Bush, Main Spring Lever	51	187-1164	1	Lever, Guide
26	187-1349	1	Plug, Shaft (1/8"PT)	52	187-1183	1	Spring, Start
27	187-1193	1	Screw, Full Load Set	53	187-1030	1	Pin, Link Plate Snap
28	187-1188	1	Bush, Main Spring Lever	54	187-1288	1	Link, Control
29	187-1150	1	Cup, Bush Sealing (10mm Dia.)	55	187-1180	1	Plate, Lever Pump Link

Fuel System



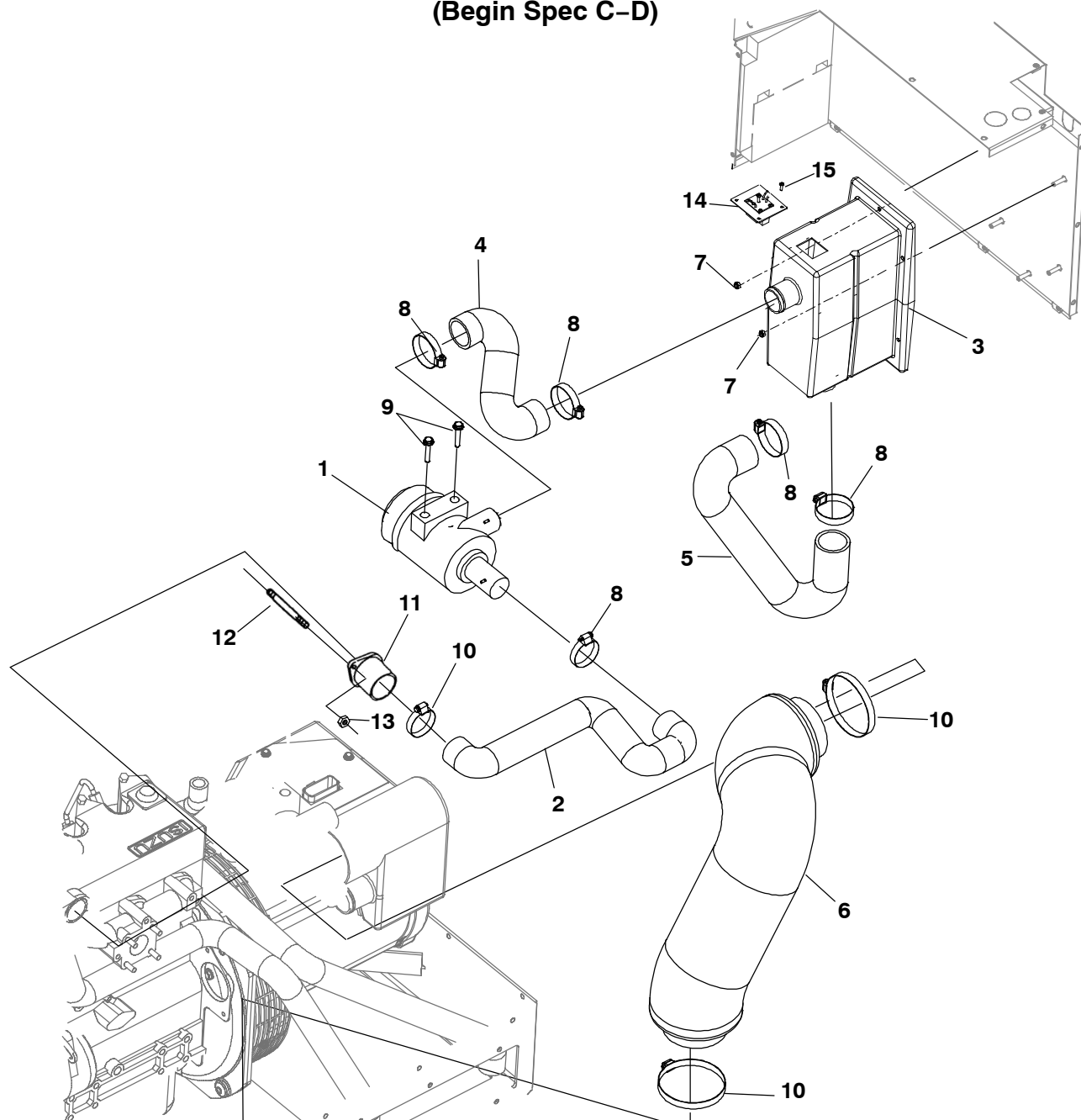
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2585-04	1	Bracket, Fuel Filter	10	517-0273	2	Plug, Pipe
2	149-2513	1	Filter, Fuel	11	502-1296-02	1	Fitting, Bulkhead
3	870-0257	1	Nut, Self Locking (5/16-18)	12	149-2790	1	Pump, Fuel (E2)
4	149-2580-01	1	Line, Fuel Injection Pump	13	870-2054	2	Nut, Lock Flange (M6 x 1mm)
5	503-1951-09	1	Clamp, Hose	14	854-0028	1	Washer, IT Lock (5/8")
6	503-1951-12	1	Clamp, Hose	15	868-0007	1	Nut, Hex Jam (5/8-18)
7	503-2078	1	Line, Fuel	16	502-1299	1	Connector, Hose
8	149-2605	1	Line, Fuel Filter	17	503-0685	1	Clamp, Hose
9	821-2096-02	4	Screw, Lock Flange				

Air Intake System with Control Board (Spec A)



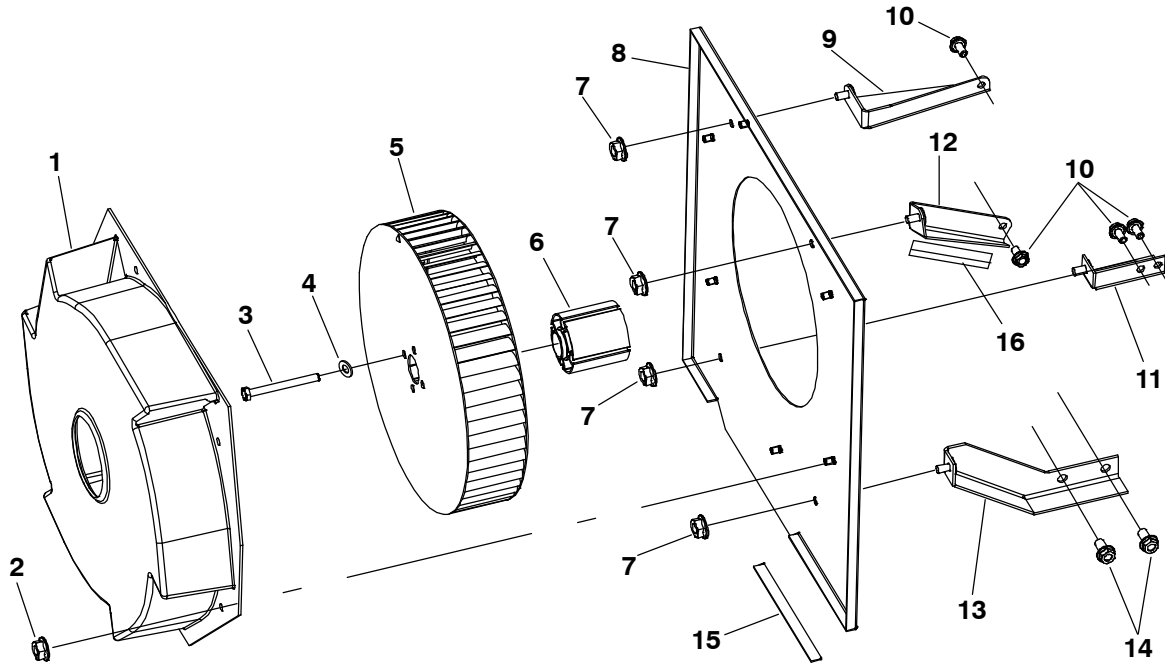
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3050	1	Cleaner Assy, Air (Includes Element and Cover)	11	821-2097-06	2	Screw, Lock Flange (M8 x 1.25 x 40mm)
2	140-3071	1	Element, Air Cleaner	12	503-1872-02	4	Band, Hose Clamp
3	140-3072	1	Cover, Air Cleaner	13	503-1148	1	Band, Hose Clamp
4	503-2053	1	Hose, Intake	14	187-1165	1	Pipe, Air Inlet
5	134-5183	1	Resonator, Intake	15	187-1307	2	Stud, Inlet Pipe
6	503-2054-02	1	Hose, Intake	16	187-1018	2	Nut, Inlet Pipe
7	503-2054-01	1	Hose, Intake	17	305-0953-03	1	Control
8	211-0484-01	1	Tube, Air Intake	18	823-0002-09	3	Screw, Pan Head Machine (M4 x 0.75 x 16mm)
9	870-0506	6	Nut, Nylon Lock (M6 x 1)				
10	503-1141	2	Band, Hose Clamp				

Air Intake System (Begin Spec C-D)



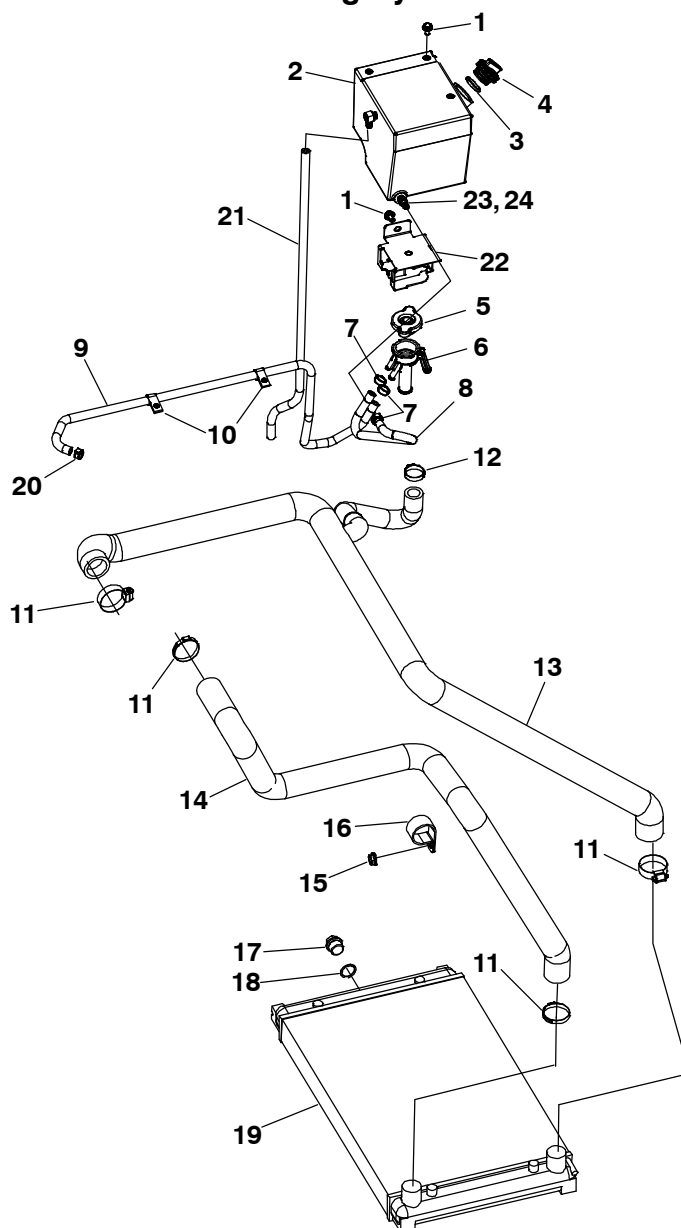
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3050	1	Cleaner Assy, Air (Includes Element and Cover)	8	503-0365	6	Band, Hose Clamp
	140-3071	1	Element, Air Cleaner	9	821-2097-06	2	Screw, Lock Flange (M8 x 1.25 x 40mm)
	140-3072	1	Cover, Air Cleaner	10	503-1148	2	Band, Hose Clamp
2	503-2053	1	Hose, Intake	11	187-1165	1	Pipe, Air Inlet
3			Resonator, Intake	12	187-1307	2	Stud, Inlet Pipe
	140-3519	1	Spec C	13	187-1018	2	Nut, Inlet Pipe
	140-3519-01	1	Begin Spec D	14	315-1651	1	Transformer, Current (Begin Spec D)
4	503-2436	1	Hose, Air	15	815-0888	4	Screw, Pan Head (SDT) (Begin Spec D)
5	503-2435	1	Hose, Air				
6	503-2446	1	Hose, Intake				
7	870-0506	5	Nut, Nylon Lock (M6 x 1)				

Fan Mounting



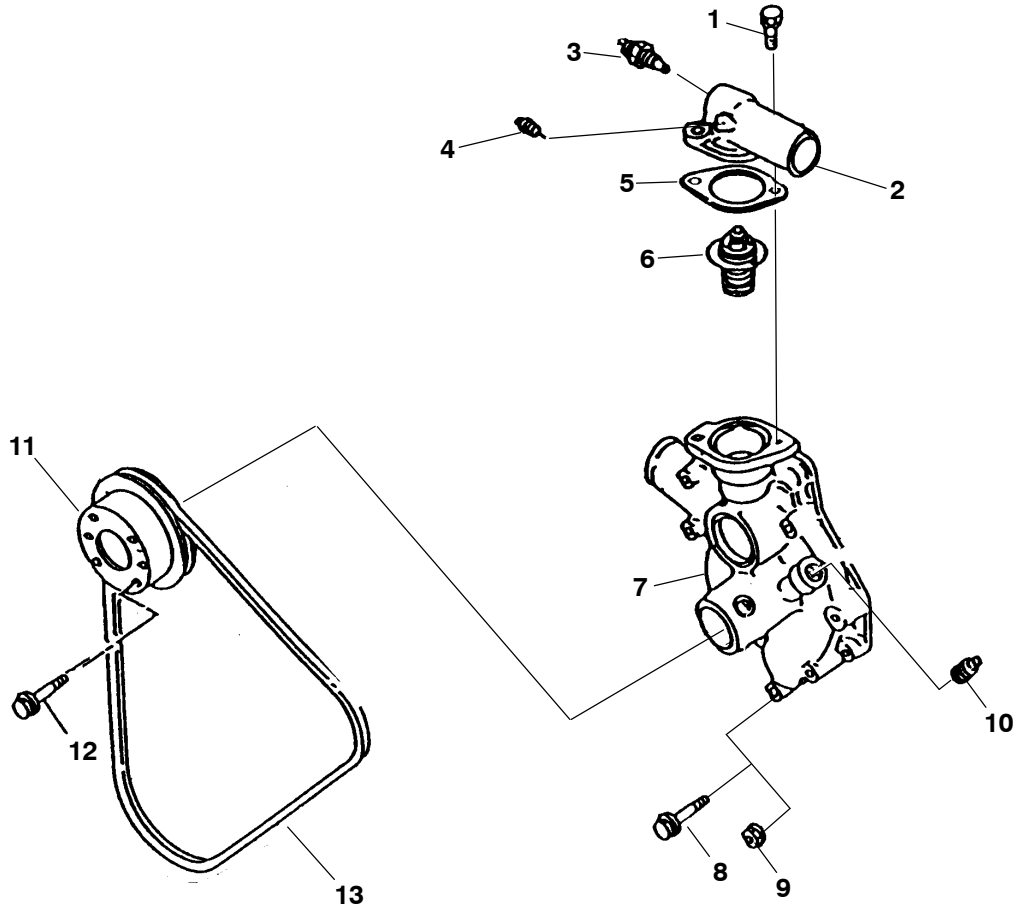
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4760	1	Scroll, Fan Spec A	9	130-4824-02	1	Bracket, Backplate
	134-5314-03	1	Begin Spec C	10	821-2045	4	Screw, Lock Flange (M8 x 1.25 x 16mm)
2	870-2054	6	Nut, Lock Flange (M6 x 1)	11	130-4745-02	1	Bracket, Backplate
3	800-2069	4	Screw, Hex Head Cap (M8 x 1.25 x 80mm)	12	130-4825-02	1	Bracket, Backplate
4	526-2100	4	Washer, Flat (M8)	13	130-4826-02	1	Bracket, Backplate
5	130-4748	1	Fan, Sucker	14	821-2060	2	Screw, Lock Flange (M10 x 1.5 x 20mm)
6	130-1876	1	Spacer, Fan	15	508-1042-08	1	Edging (102mm)
7	870-2055	4	Nut, Lock Flange (M8 x 1.25mm)	16	508-0239	1	Edging
8			Backplate, Fan				
	130-4742-02	1	Spec A				
	205-0305-03	1	Begin Spec C				

Cooling System



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Screw, Lock Flange (M6 x 1 x 12mm)	14	503-2055	1	Hose, Engine (Out)
	821-2096-02	3	Spec A	15	870-2056	1	Nut, Lock Flange (M10 x 1.5mm)
	821-2096-02	5	Begin Spec C	16	332-2898	1	Clamp, Loop
2	130-4322-01	1	*Tank, Recovery	17	870-0553	1	Plug, Hex Head Screw (M22 x 1.55mm)
3	509-0329	1	O'Ring	18	509-0347	1	O'Ring
4	130-4450-02	1	Cap, Push-On	19	130-4722	1	Radiator
5	130-4320	1	Cap, Fill	20	503-1951-09	1	Clamp, Hose
6	130-4321	1	Neck, Fill	21	503-1959	1	Hose, Cooling Over Flow (Begin Spec C)
7	503-1951-12	3	Clamp, Hose	22	123-2240-03	1	Bracket, Fill Tube (Begin Spec C)
8	503-2059	1	Hose, Overflow	23	502-1529	1	Connector, Hose 90 Nylon
9	503-2060	1	Hose, Air Bleed	24	502-1528	1	Connector, Hose Nylon
10	332-1554	2	Clamp, Hose				
11	503-1138	4	Clamp, Hose				
12	503-1951-35	1	Clamp, Hose				
13			Hose, Engine (In)				
	503-2056	1	Spec A				
	503-2460	1	Begin Spec C				

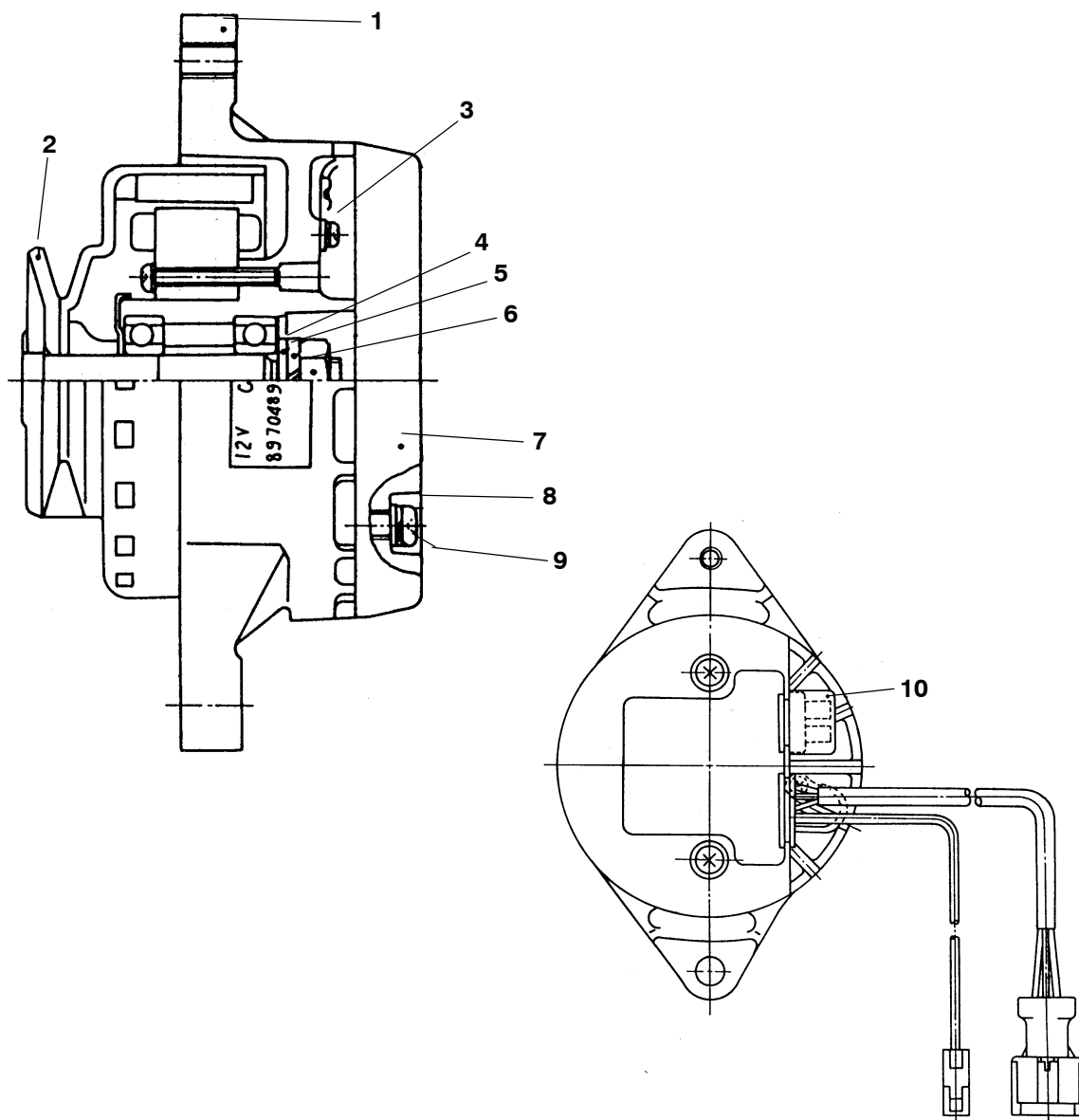
Water Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1010	2	Screw, Hex Flange
	815-0954-03	2	+ M8 x1.25 x 25mm
2	187-1280	1	Housing, Thermostat
	187-0860	1	41mm ID
	193-0318	1	+49mm ID w / Bolts
3	502-1306	1	Sender, Water Temperature (E3)
4	187-1141	1	Connector, Hose
5	184-0005	1	Gasket, Outlet Pipe
	187-1350	1	41mm ID
	187-1354	1	+ 49mm ID
6	187-1298	1	Thermostat
	187-1355	1	44mm OD
	187-1298	1	+ 54mm OD
7	187-1298	1	Pump, Water
	187-1355	1	41mm Top Outlet
	187-1355	1	+ 49mm Top Outlet
8	187-1011	1	Bolt
	187-1016	2	45mm
	187-1010	2	60mm
	187-1010	2	40mm
9	187-1019	2	Nut
10	187-1040	1	Plug, Heater (PT 3/8)
11			Pulley, Fan

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	187-1187	1	101mm OD x 15mm Wide
	512-0260	1	++ 112 mm OD x 22mm Wide
12	187-1001	2	Bolt, Pulley
13	511-0210	1	Belt, Cooling Fan
	511-0212	1	* Serial No. J99 and Older
	541-1047	1	** Serial No. G01 and Newer
			*** Between J99 and G01
* A pulley that measures 5/8" wide uses the 511-0210 on generators with serial numbers J99 and older.			
** A pulley that measures 3/4" wide uses the 511-0212 on generator with serial numbers G01 and newer.			
*** Sets with serial numbers between J99 to G01 may have either pulley as we don't have the exact serial number cutoff from the engine supplier (Use Kit 541-1047).			
+ HDCAA after Serial No. J99005600			
HDCAB after Serial No. H000135321			
HDCAC after Serial No. H000140339			
++ All models after Serial No. K000173820,			
Includes all parts marked with one asterisk.			

Alternator Components

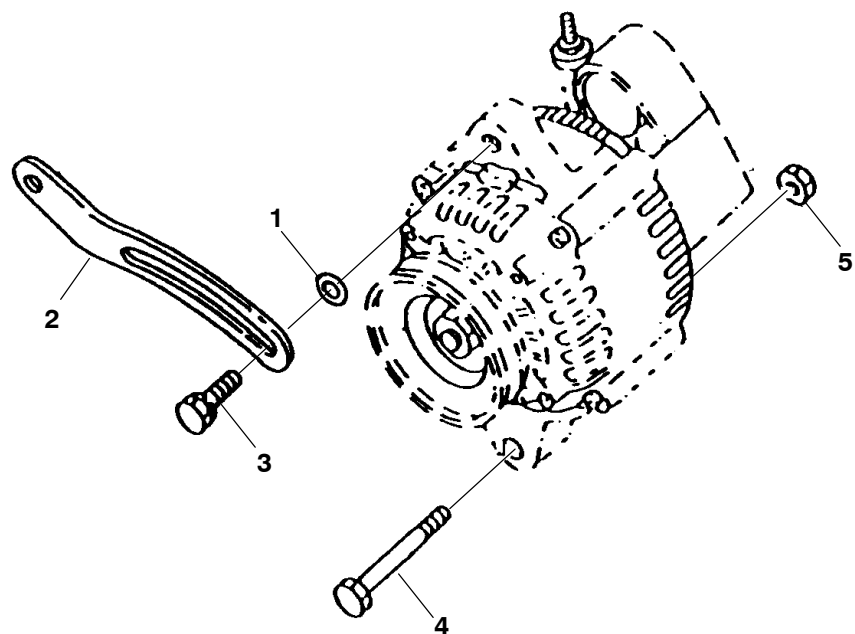


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	187-1224	1	Alternator (12V, 20A, 65mm Pulley)
	191-2329	1	*Alternator (12V, 20A, 74.5mm Pulley)
1	187-1282	1	Plate Assy (Includes Bushings and Bearings)
2			Pulley
	187-1283	1	65mm OD
	512-0262	1	74.5mm OD
3	187-1305	1	Screw

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	187-1056	1	Washer
5	187-1055	1	Washer, Spring
6	187-1054	1	Nut
7	187-1284	1	Regulator
8	187-1306	2	Screw
9	187-1326	2	Washer
10	187-1285	1	Cap, Terminal

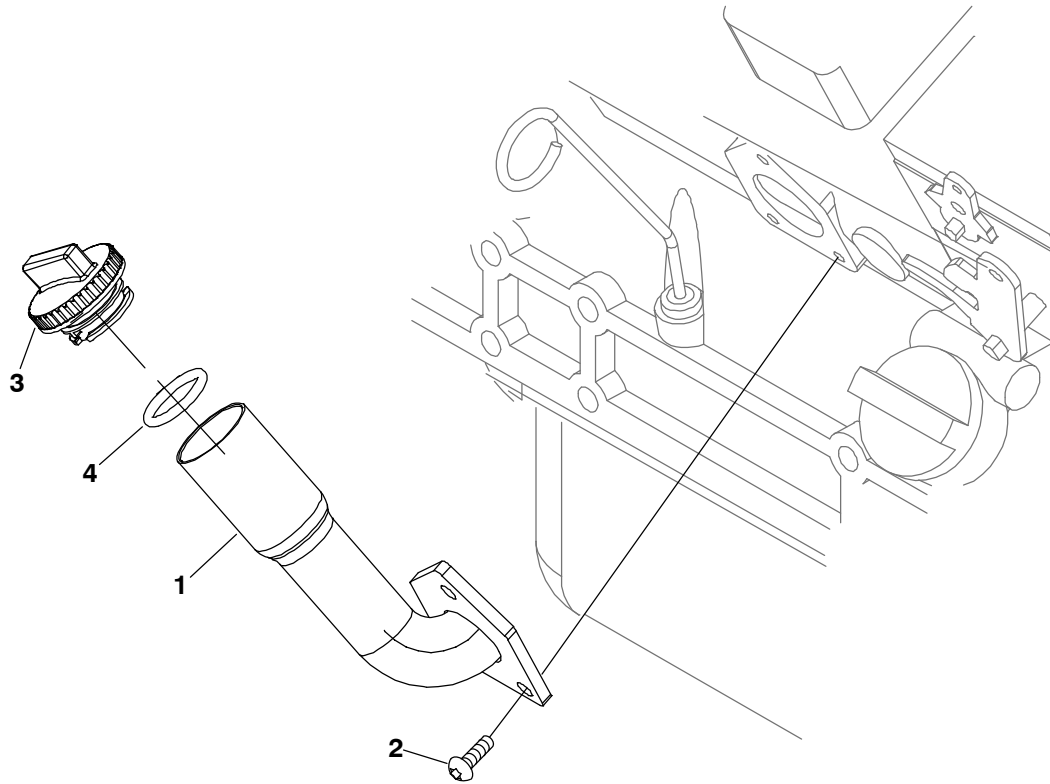
* All units after Serial no. K000173820

Alternator Mounting



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1345	1	Spacer	4	187-1015	1	Bolt
2	187-1051	1	Plate, Adjustment	5	187-1020	1	Nut
3	187-1010	1	Bolt				

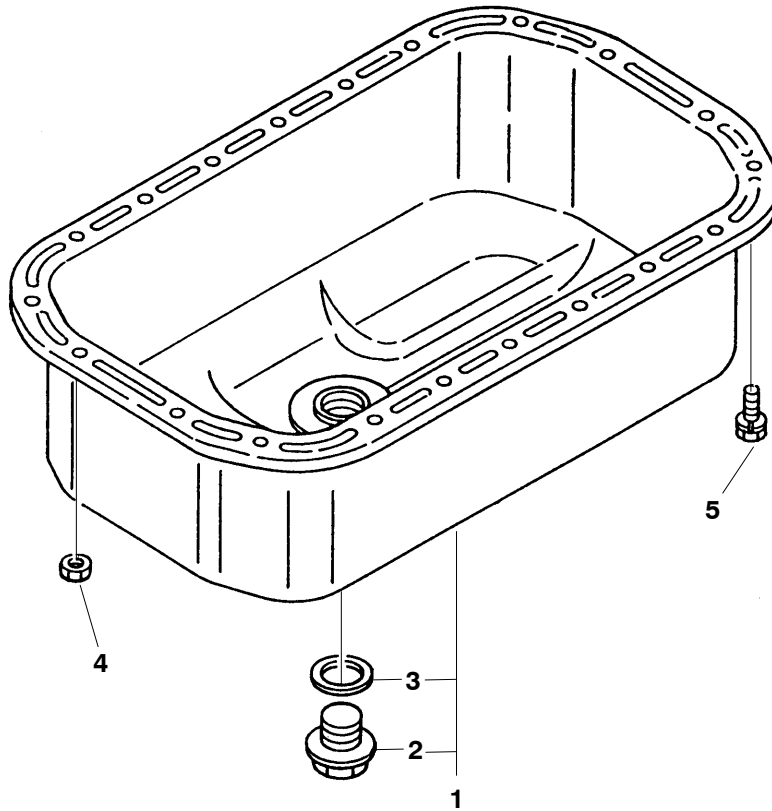
Oil Fill



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-2113-02	1	Tube, Oil Fill
2	823-1002-03	3	Screw, Pan Head Torx (M6 x 1 x 10mm)

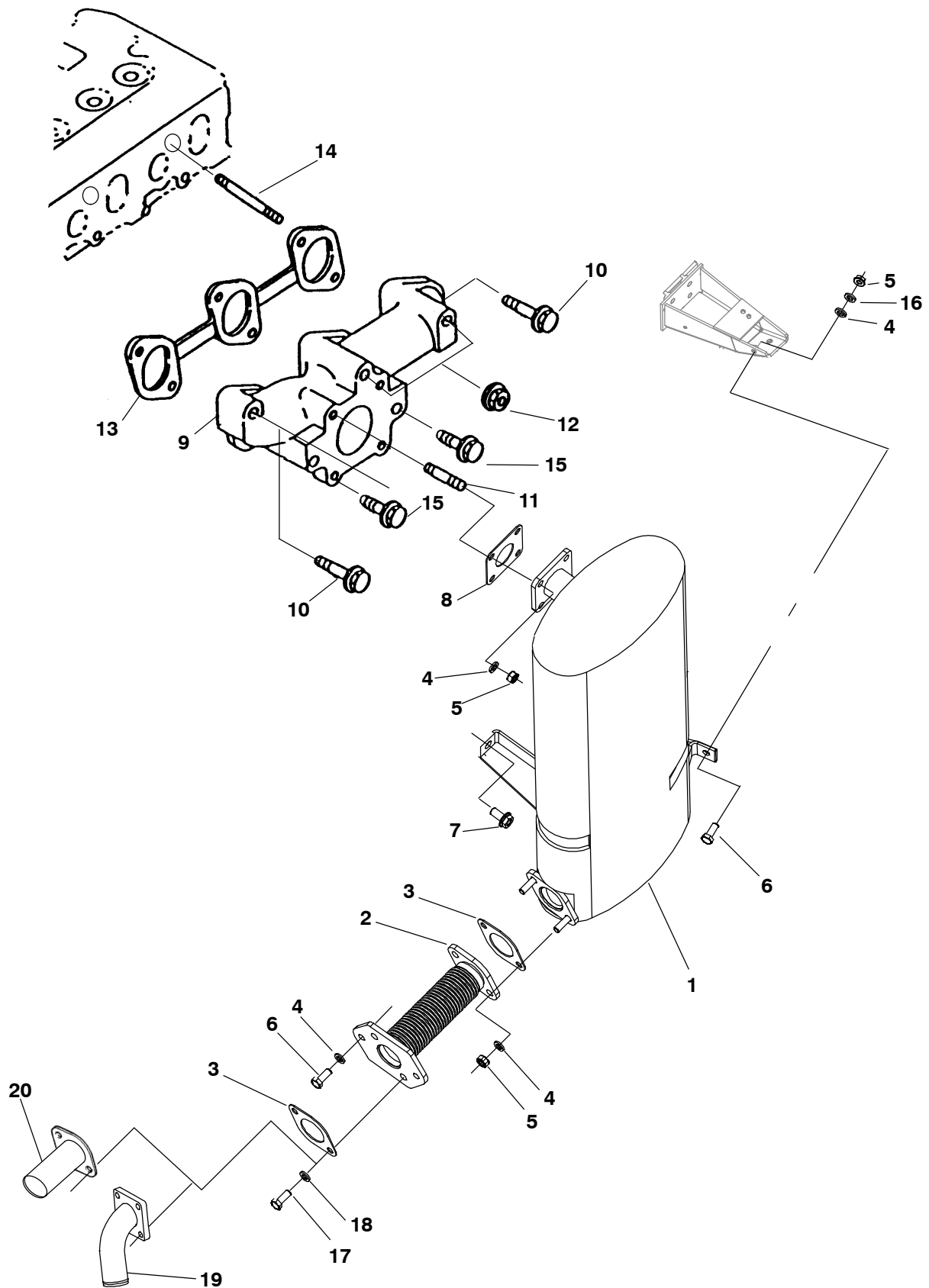
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	130-4450-01	1	Cap, Push-On
4	509-0329	1	O'Ring

Oil Base



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-1203	1	Pan, Oil (Includes Plug and O'Ring)	3	187-1028	1	O'Ring, Oil Drain Plug
2	187-1336	1	Plug	4	187-1018	2	Nut
				5	187-1002	18	Bolt

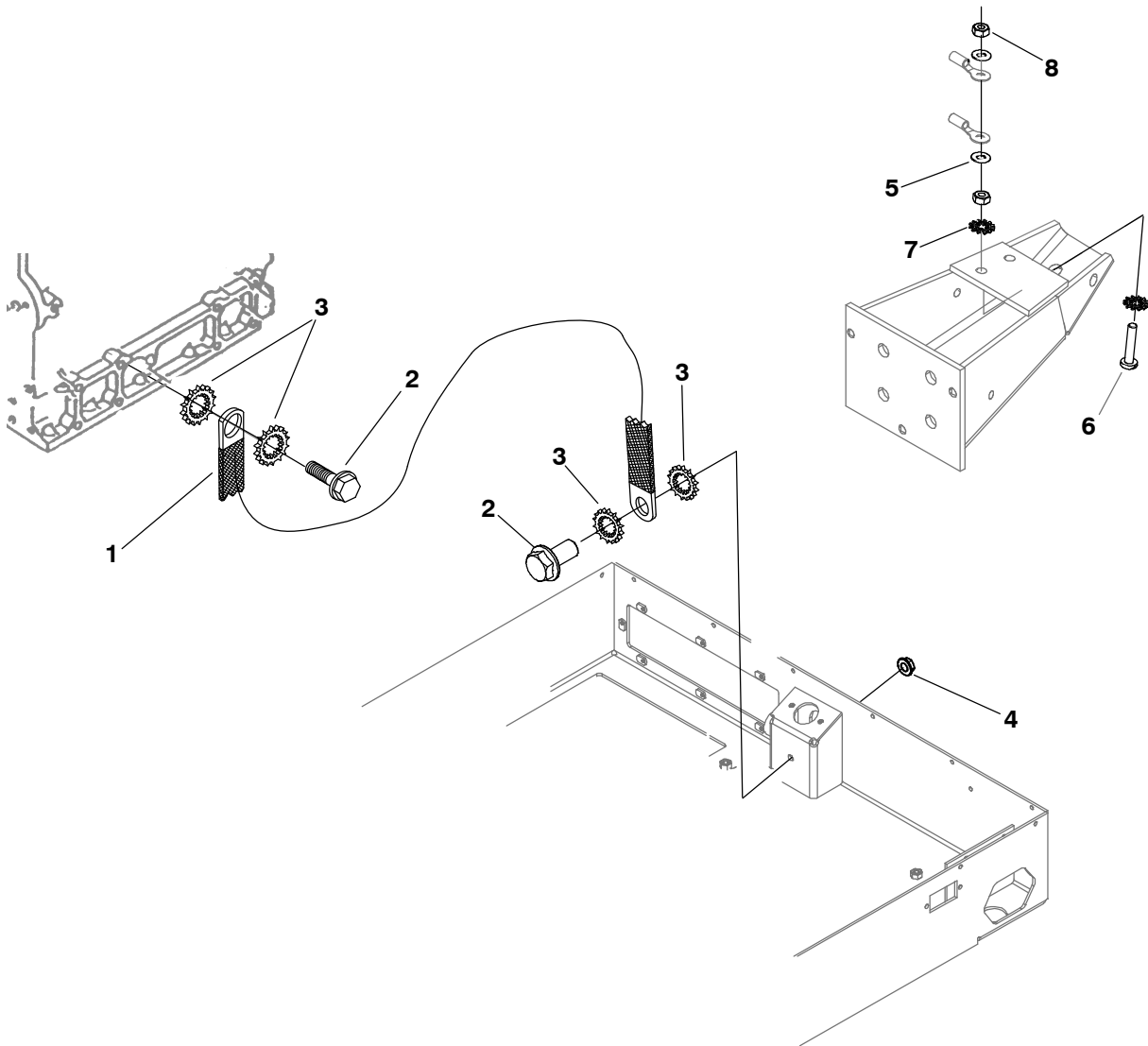
Exhaust System



Exhaust System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3151	1	Muffler	12	187-1019	6	Nut
2	154-3033	1	Pipe, Flex Exhaust	13	187-1219	1	Gasket, Exhaust Manifold
3	154-2800	2	Gasket, Exhaust Manifold	14	187-1033	2	Stud, Manifold (79mm)
4	850-2008	9	Washer, Spring Lock (M8)	15	187-1013	2	Bolt (70mm)
5	860-2008	7	Nut, Hex (M8 x 1.25mm)	16	526-2100	1	Washer (M8)
6	800-2058	1	Screw, Hex Head Cap (M8 x 1.25 x 25mm)	17	800-2057	2	Screw, Hex Head (M8 x 1.25 x 20mm)
7	821-2060	1	Screw, Lock Flange (M10 x 1.5 x 20mm)	18	526-0115	2	Washer, Flat (5/16")
8	187-1194	1	Gasket, Exhaust Manifold	19	155-3194	1	Accessory, Exhaust Elbow,
9	187-1207	1	Manifold, Exhaust	20			Accessory, Exhaust Tube
10	187-1010	2	Bolt (40mm)		155-2610	1	3"
11	187-1309	4	Stud (20mm)		155-2424	1	7"

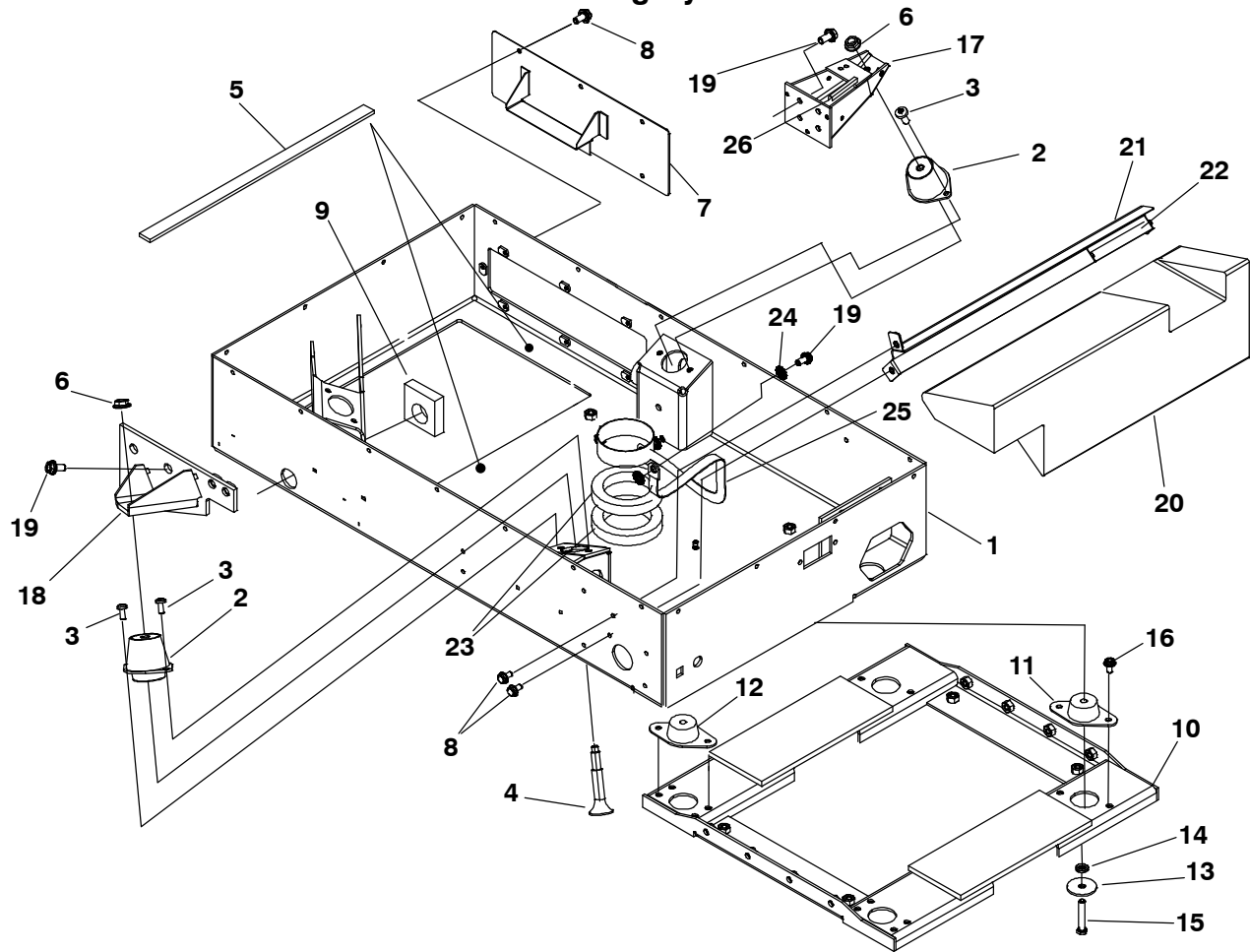
Ground System



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-0090	1	Strap, Electrical
2	821-2060	2	Screw, Hex Head Cap (M10 x 20)
3	856-0010	4	Washer, EIT Lock (3/8")
4	870-2056	1	Nut, Hex (M10)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	526-0052	4	Washer, Flat (M10)
6	822-0089	2	Screw, Round Head Machine (1/4-20)
7	856-0006	4	Washer, EIT Lock (1/4")
8	862-0001	4	Nut, Hex (1/4-20)

Mounting System

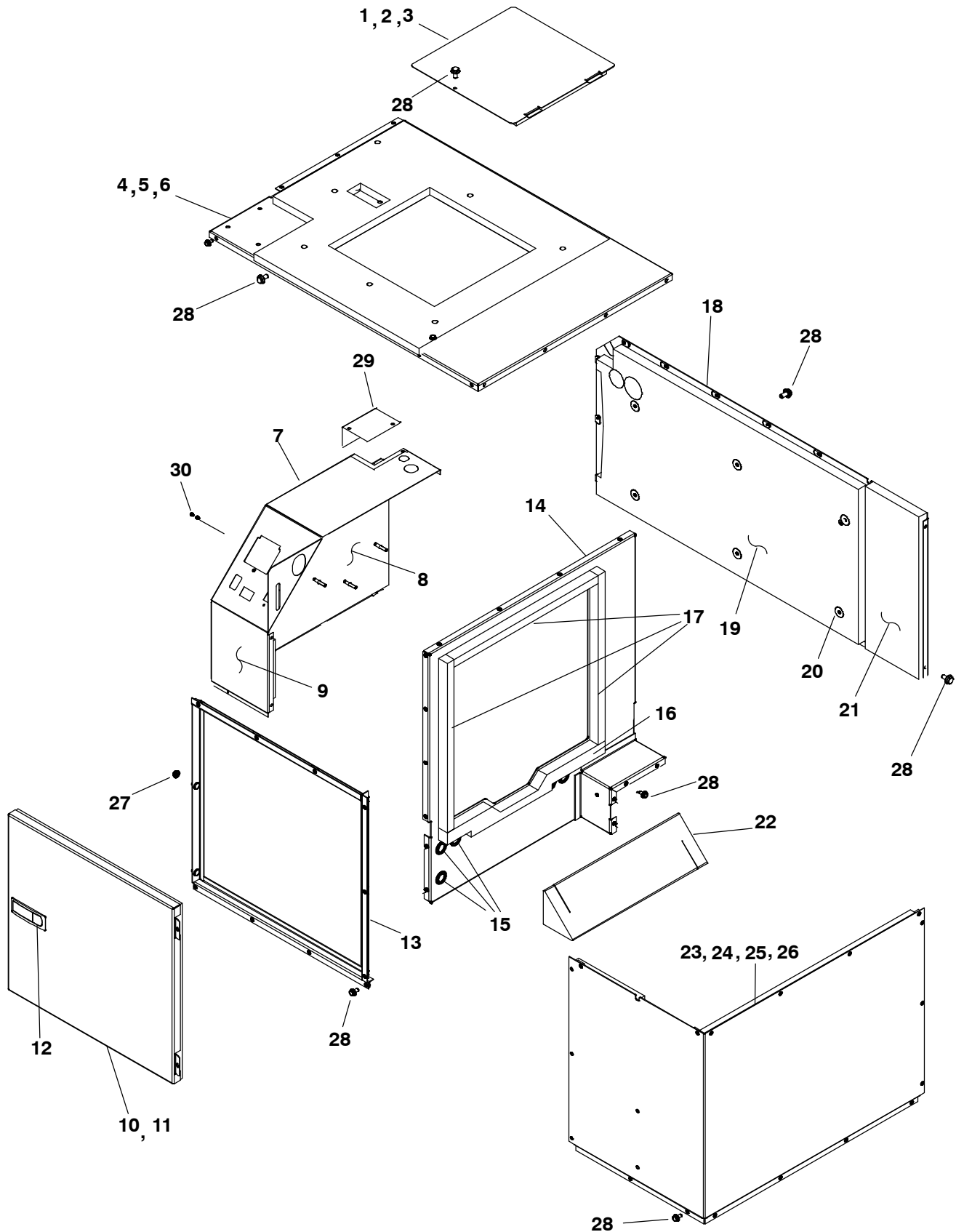


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	402-0752	1	Kit, Isolator Mounting (Includes Parts Marked *)	13	526-0324	4	+*Washer, Flat (.406mm) HDCAB
	542-0266	1	Kit, Isolator Mounting (Includes Parts Marked +)*	14	526-0174	4	+*Washer, Flat (.406mm) HDCAB
1			Base, Mounting	15	800-0055	4	+*Screw, Hex Head Cap (3/8-16 x 2.25") HDCAB
	403-4171-02	1	All Models Spec A	16	821-2045	8	*Screw, Lock Head Flange (M8 x 1.25 x 16mm) HDCAB
	403-5192-03	1	All Models Begin Spec C	17	403-4173-02	1	Bracket, Mounting
2	402-0680-02	3	Isolator, Engine	18	403-4197-02	1	Bracket, Mounting
3	823-1002-04	6	Screw, Pan Head (M6 x 1 x 14mm)	19	821-2060	7	Screw, Lock Head Flange (M10 x 1.5 x 20mm)
4	815-0861	3	Screw, Isolator Mount	20	403-4275	1	Insulation, Mounting Skid Base
5			Seal, Radiator	21	403-4276-02	1	Bracket, Foam
	130-4724-01	3	514.6mm	22	508-1042-08	1	Edging
	130-4724-02	2	305.2mm	23	403-3859	2	Seal, Oil Drain
6	870-2056	4	Nut, Lock Flange (M10 x 1.5mm)	24	856-0010	4	Washer, Eit Locking (3/8")
7	403-4213-02	1	Cover	25	337-0090	1	Strap, Electrical
8	821-2096-02	8	Screw, Lock Flange (M6 x 1 x 12mm)	26	508-1049-03	2	Edging
9	403-4219	1	Seal, Radiator Drain				
10	403-4264-02	1	*Frame, Sub Mounting HDCAB				
11	402-0728-01	2	+*Isolator, Vibration HDCAB				
12	402-0728-02	2	+*Isolator, Vibration HDCAB				

* - Parts Included in Isolator Mounting Kit (W/Frame).

+ - Parts Included in Isolator Mounting Kit (W/O Frame).

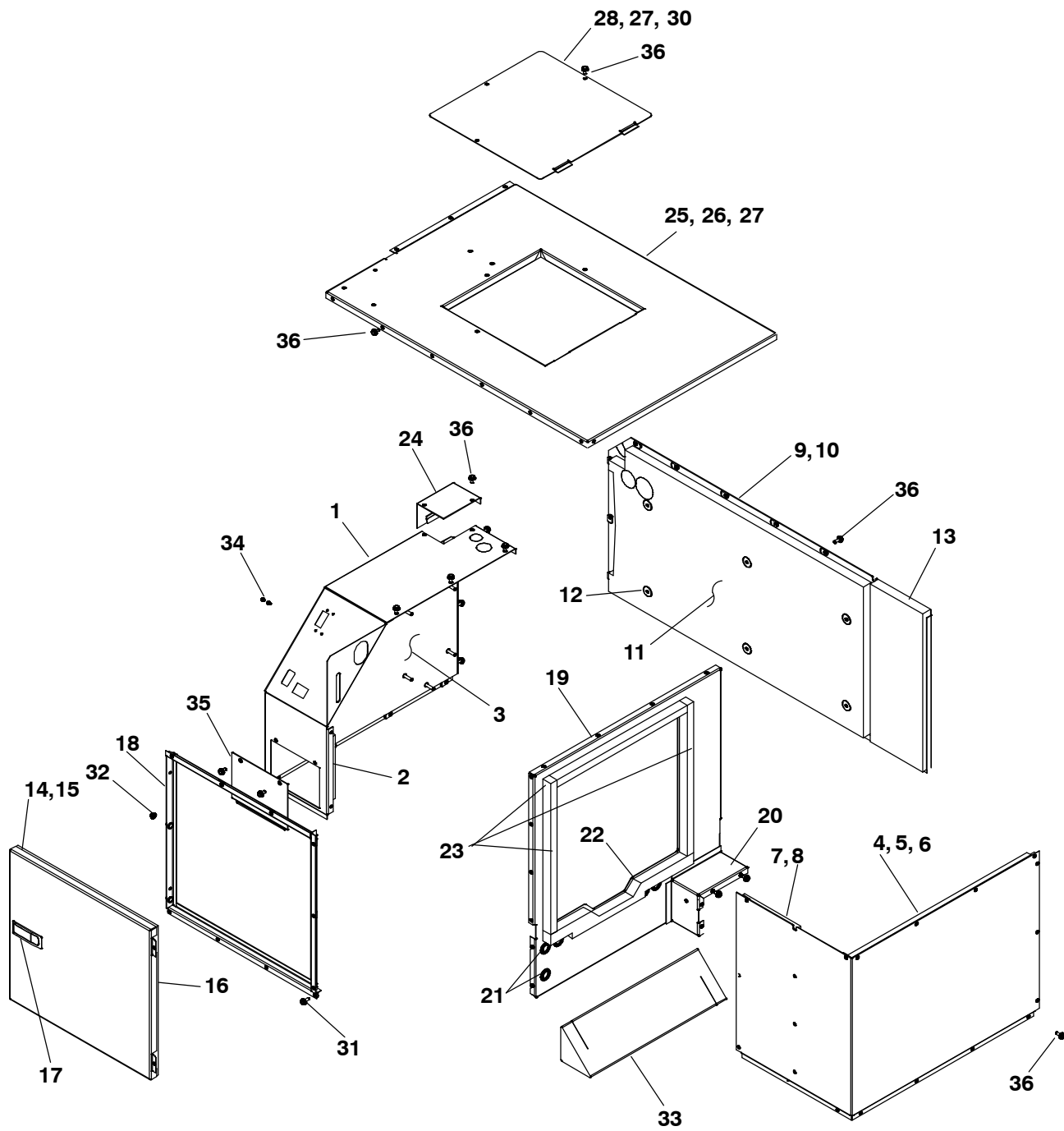
Housing (Spec A)



Housing (Spec A)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5897-01	1	Cover Assy, Access (Includes Insulation and Nuts)	17	130-4746-02	3	Seal, Fan (420mm)
2	405-5882	1	Insulation, Access Cover	18	405-5890-S1	1	Panel Assy, Rail (Includes Insulation and Nuts)
3	518-0581	2	Nut, Push-On	19	405-5878	1	Insulation, Rail Panel
4	405-5887-S1	1	Panel Assy, Top (Includes Insulation and Nuts)	20	518-0581	6	Nut, Push-On
5	405-5879	1	Insulation, Top Panel	21	405-5891	1	Insulation, Rail Panel
6	518-0581	7	Nut, Push-On	22	403-4274	1	Insulation, Housing Skid Base
7	405-5892-S1	1	Panel Assy, Cap (Includes Insulation) All Models	23	405-5889-S1	1	Panel Assy, Engine (Includes Insulation)
8	405-5881	1	Insulation, Cap	24	405-5885	1	Insulation, Panel (439 x 577mm)
9	405-5888	1	Insulation, Cap	25	405-5880	1	Insulation, Panel (181.4 x 420.5mm)
10	405-5895-01	1	Door Assy (Includes Insulation and Latch)	26	405-6121	1	Insulation, Panel (154 x 420.5mm)
11	405-5886	1	Insulation, Access Cover	27	870-2054	2	Nut, Lock Flange (M6 x 1)
12	405-5884	1	Latch, Access Cover	28	821-2096-02	76	Screw, Lock Flange
13	405-5932-03	1	Frame, Door	29	-	1	Cover, Access AC (See Housing End Cap)
14	405-6066	1	Baffle Assy (Includes Grommets and Seals)	30	815-0549	4	Screw, Pan Head (6-32 UNC x .25)
15	508-1122	5	Grommet				
16	130-4746-01	1	Seal, Fan (460mm)				

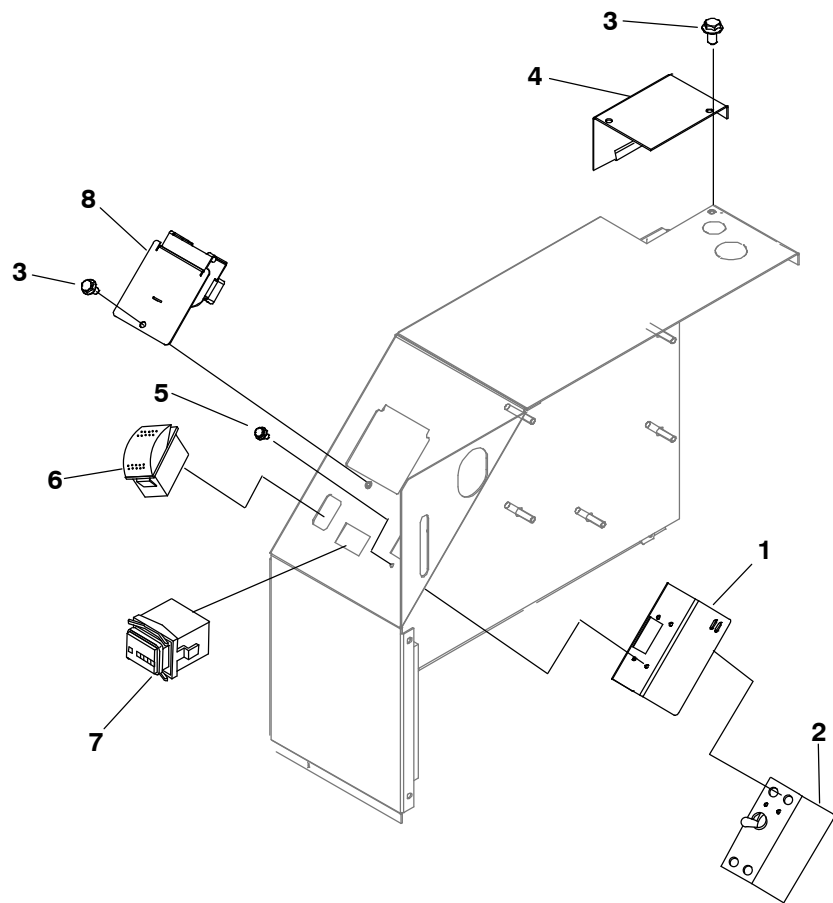
Housing (Begin Spec C)



Housing (Begin Spec C)

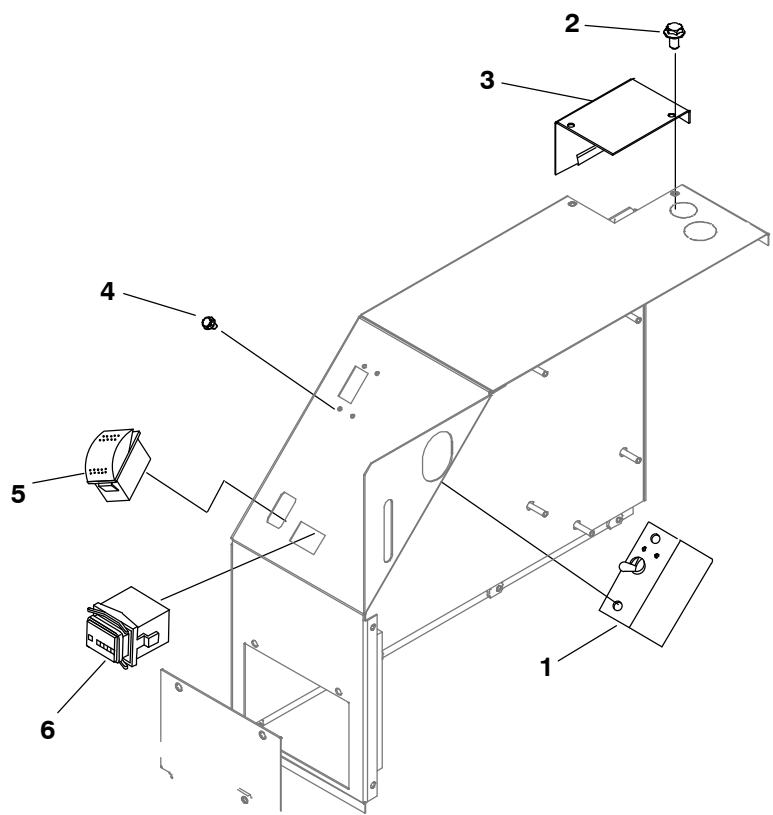
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-7715-02	1	Panel Assy, Cap (Includes Insulation) All Models	20	405-5947-02	1	Baffel
2	405-7713	1	Insulation, Panel (End Cap)	21	508-1122	5	Grommets
3	405-5888-01	1	Insulation, Cap	22	130-4746-01	1	Seal, Fan (460mm)
4	405-5889-S1	1	Panel Assy, Engine (Includes Insulation)	23	130-4746-02	3	Seal, Fan (420mm)
5	405-5900-02	1	Panel, Engine	24	-	1	Cover, Access AC (See Housing End Cap)
6	405-5885	1	Insulation, Panel (439 x 577mm)	25	405-5887-S1	1	Panel Assy, Top (Includes Insulation and Nuts)
7	405-5880	1	Insulation, Panel (181.4 x 420.5mm)	26	405-5879	1	Insulation, Top Panel
8	405-6121	1	Insulation, Panel (154 x 420.5mm)	27	518-0581	7	Nut, Push-On
9	405-5890-01	1	Panel Assy, Rail (Includes Insulation and Nuts)	28	405-5897-S1	1	Cover Assy, Access (Includes Insulation and Nuts)
10	405-5896-02	1	Panel, Rail	29	405-5882	1	Insulation, Access Cover
11	405-5878	1	Insulation, Rail Panel	30	518-0581	2	Nut, Push-On
12	518-0581	6	Nut, Push-On	31	821-2096-02	54	Screw, Lock Flange
13	405-5891	1	Insulation, Rail Panel	32	870-2054	2	Nut, Lock Flange (M6 x 1)
14	405-5895-01	1	Door Assy (Includes Insulation and Latch)	33	403-4274	1	Insulation, Housing Skid Base
15	405-5883-02	1	Door	34	815-0549	4	Screw, Pan Head (6-32 UNC x .25)
16	405-5886	1	Insulation, Access Cover	35	212-1308-02	1	Cover, Brush Block (Access)
17	405-5884	1	Latch, Access Cover	36	821-2096-03	21	Screw, Lock Flange (M6 x 1 x 16mm)
18	405-5932-02	1	Frame, Door				
19	405-6066	1	Baffle Assy (Includes Grommets, Baffel and Seals)				

Housing End Cap (Spec A)



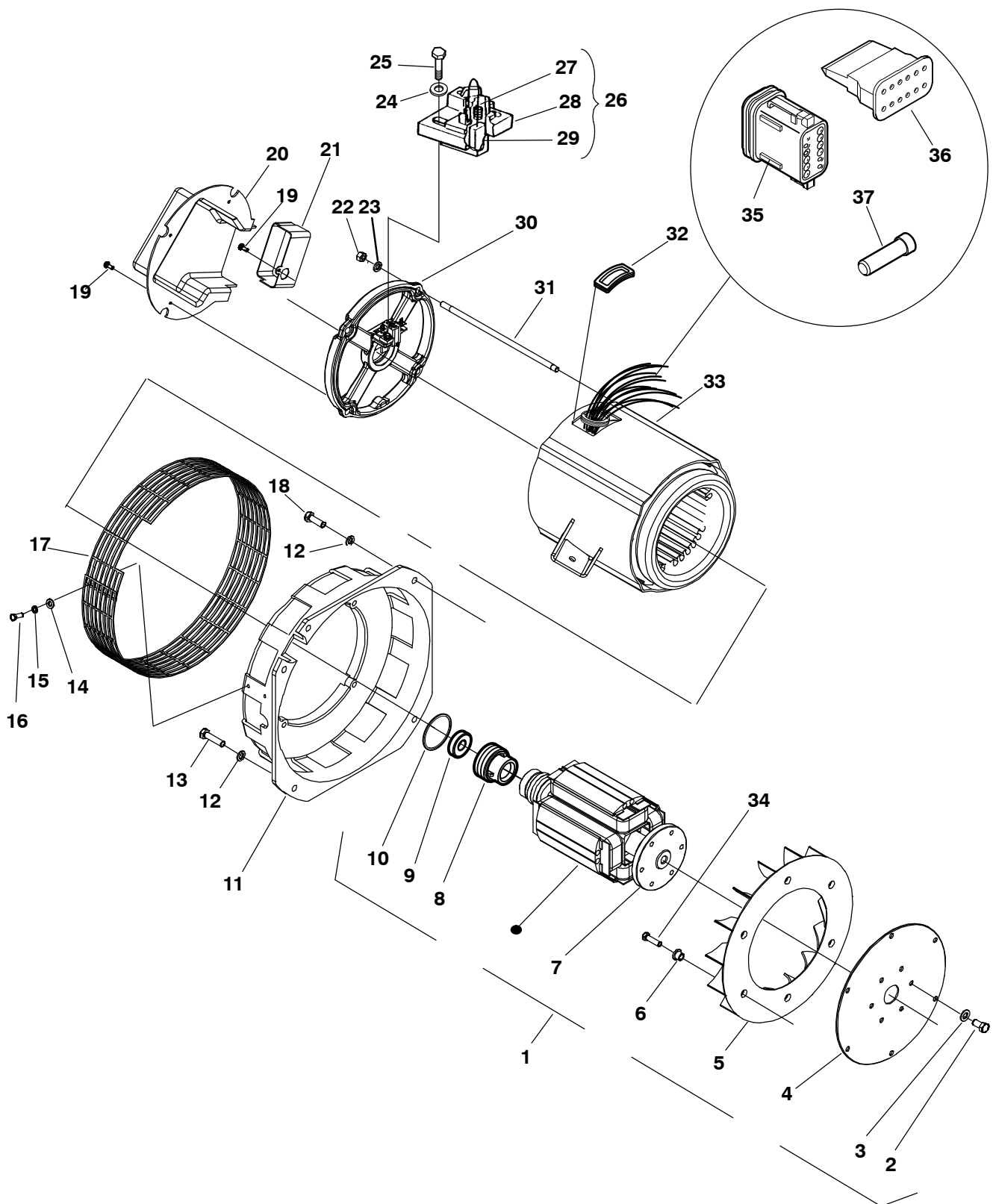
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	320-1968-02	1	Guard, CB (Spec A)	5	815-0549-01	4	Screw, Pan Head
2			Breaker, Circuit				6-32 x 1/4"
	320-1984-08	1	45A (HDCAA)	6	308-1038	1	Switch, Rocker
	320-1984-09	1	50A (HDCAB)	7	302-2002	1	Meter, Hour
3	821-2096-02	3	Screw, Lock Flange	8	405-5309-03	1	Cover, Access
4	405-5380-05	1	Cover, AC				

Housing End Cap (Begin Spec C)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit	4	815-0550	4	Screw, Pan Head
	320-1984-08	1	45A (HDCAA)				(6-32 x 3/8")
	320-1984-09	1	50A (HDCAB)	5	308-1038	1	Switch, Rocker
2	821-2096-02	4	Screw, Lock Flange	6	302-2002	1	Meter, Hour
3	405-5380-05	1	Cover, AC				

Generator (Spec A-B)

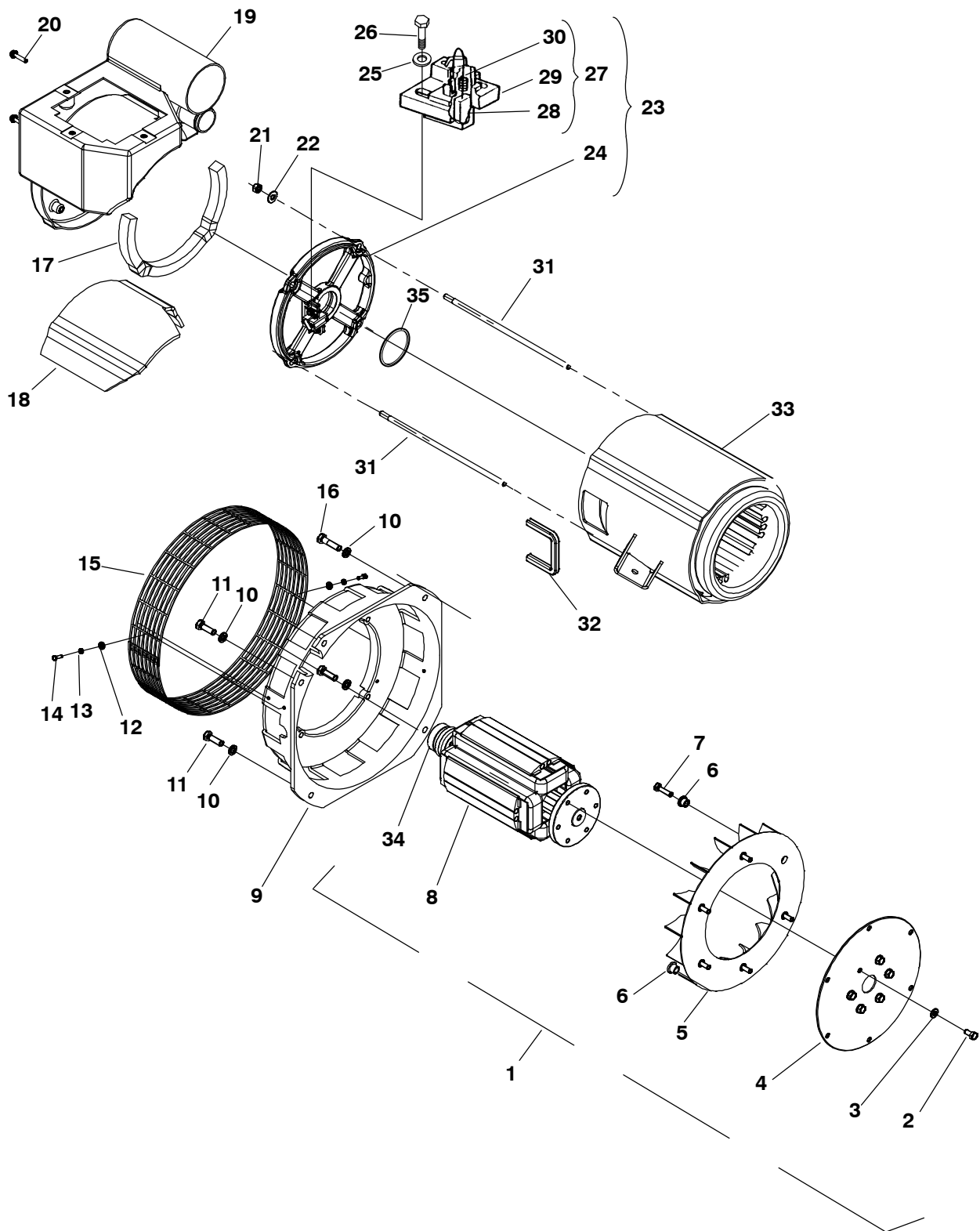


Generator (Spec A-B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	201-3506-S3	1	Rotor Assy, Generator (Includes Parts Marked *)	22	862-0003	4	Nut, Hex (3/8-16)
2	800-2056	6	*Screw, Hex Head Cap (M8 x 1.25 x 16mm)	23	526-0029	4	Washer, Flat (3/8")
3	526-2100	6	*Washer, Flat (M8)	24	526-0399-56	2	Washer, Flat (M5)
4	232-3915	1	*Disc, Generator Drive	25	800-0309-89	2	Screw, Hex Head Machine (M5 x 0.8 x 16)
5	205-0220	1	*Fan, Generator	26	212-1285-S0	1	Block Assy, Generator Brush (Includes Spring, Block and Brush)
6	232-3296	6	*Spacer, Fan	27	212-1276-03	2	Spring, Generator Brush
7	232-3753	1	*Hub, Rotor Drive	28	212-1286-S0	1	Block, Brush
8	204-0134	1	*Ring, Collector	29	214-0103	2	Brush, Generator
9	510-0185	1	*Bearing, Ball	30	211-0485	1	Endbell
10	509-0420	1	O'Ring	31	520-1000-03	4	Stud (284mm)
11	231-0379	1	Adapter, Generator	32	508-1049-02	1	Edging
12	850-2010	5	Washer, Lock	33			Stator, Generator
13	800-2087	4	Screw, Hex Head Cap (M10 x 30mm)		220-4543-03	1	HDCAA, HDCAB
14	526-2080	3	Washer, Flat (M6)		220-4647-01	1	HDCAB-3901
15	850-2005	3	Washer, Lock	34	800-2515	6	Screw, Hex Head Cap (M8 x 1.25 x 30mm)
16	800-2006	3	Screw, Hex Head Cap (M5 x 14mm)	35	323-1541	1	Plug (8 Pin)
17	232-3755-02	1	Guard, Fan	36	323-1543	1	Plug, Wedge
18	800-2089	1	Screw, Hex Head Cap (M10 x 1.5 x 40mm)	37	323-1591	1	Plug, Seal*
19	815-0810	4	Screw, Pan Head				
20	211-0488	1	Intake, Endbell				
21	211-0489-02	1	Duct, Inlet				

* - Parts Included in Generator Rotor Assy.

Generator (Begin Spec C)



Generator (Begin Spec C)

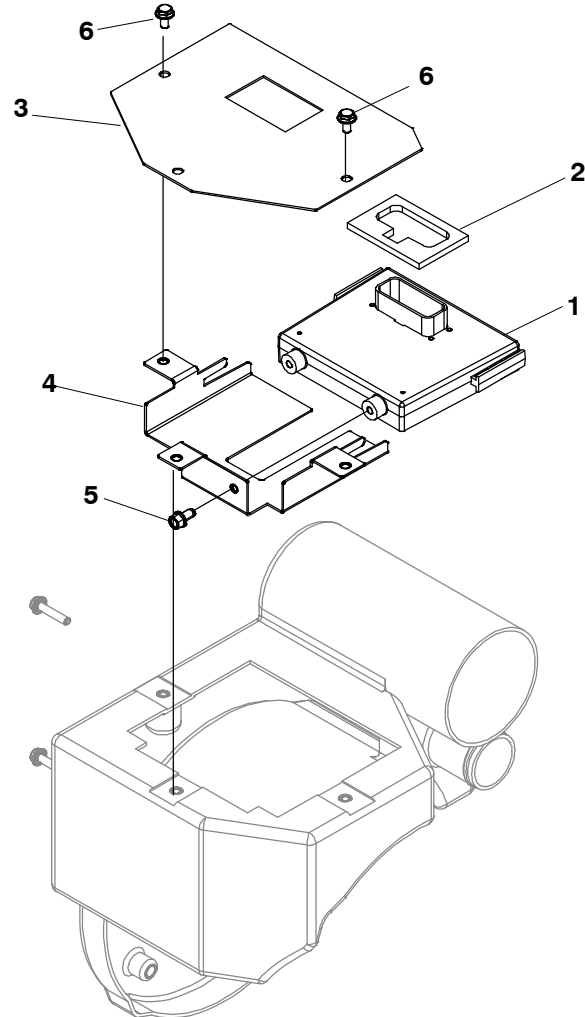
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Rotor Assy, Generator (Includes Parts Marked *)	21	862-0003	4	Nut, Hex (3/8-16)
	201-3506-S3	1	HDCAA (142mm)	22	526-0029	4	Washer, Flat (3/8")
	201-3506-04	1	HDCAB (178mm)	23	211-0485-01	1	Endbell Assy (Includes Parts Marked #)
2	800-2056	6	*Screw, Hex Head Cap (M8 x 1.25 x 16mm)	24	211-0447-01	1	#End, Bell Generator
3	526-2100	6	*Washer, Flat (M8)	25	526-0399-56	2	#Washer, Flat (M5)
4	232-4145	1	*Disc, Generator Drive	26	800-0309-89	2	#Screw, Hex Head Machine (M5 x 0.8 x 16)
5	205-0220	1	*Fan, Generator	27	212-1285-S0	1	#Block Assy, Generator Brush (Includes Parts Marked >)
6	232-3296	6	*Spacer, Fan	28	212-1286-S0	1	>Block, Brush
7	800-2515	6	Screw, Hex Head Cap (M8 x 1.25 x 30mm)	29	214-0103	2	>Brush, Generator
8			*Rotor, Wound	30	212-1276-03	2	>Spring, Generator Brush
	201-3549-03	1	HDCAA (142mm)	31			Stud
	201-3549-04	1	HDCAB (178mm)		520-1000-03	4	HDCAA (142mm)
9	231-1020	1	Adapter, Generator		520-1000-04	4	HDCAB (178mm)
10	850-2010	5	Washer, Lock (M10)	32	508-1049-04	1	Edging
11	800-2087	4	Screw, Hex Head Cap (M10 x 30mm)	33			Stator, Generator
12	526-2080	3	Washer, Flat (M6)		220-4632-03	1	10HDCAA 11506 11608
13	850-2005	3	Washer, Lock (M5)		220-4647-01	1	12HDCAB 11506
14	800-2006	3	Screw, Hex Head Cap (M5 x 14mm)		220-4632-02	1	12.5HDCAB11506
15	232-3755-02	1	Guard, Fan	34	510-0185	1	Bearing, Rotor
16	800-2089	1	Screw, Hex Head Cap (M10 x 1.5 x 40mm)	35	509-0420	1	O'Ring
17	405-7774	1	Insulation Cover (Endbell)				
18	405-7773	1	Insulation Cover (Generator)				
19	234-1020	1	Cover, Generator Intake				
20	821-2096-06	4	Screw, Locking Flange (M6 x 30mm)				

* - Parts Included in Generator Rotor Assy.

- Parts Included in Endbell Assy.

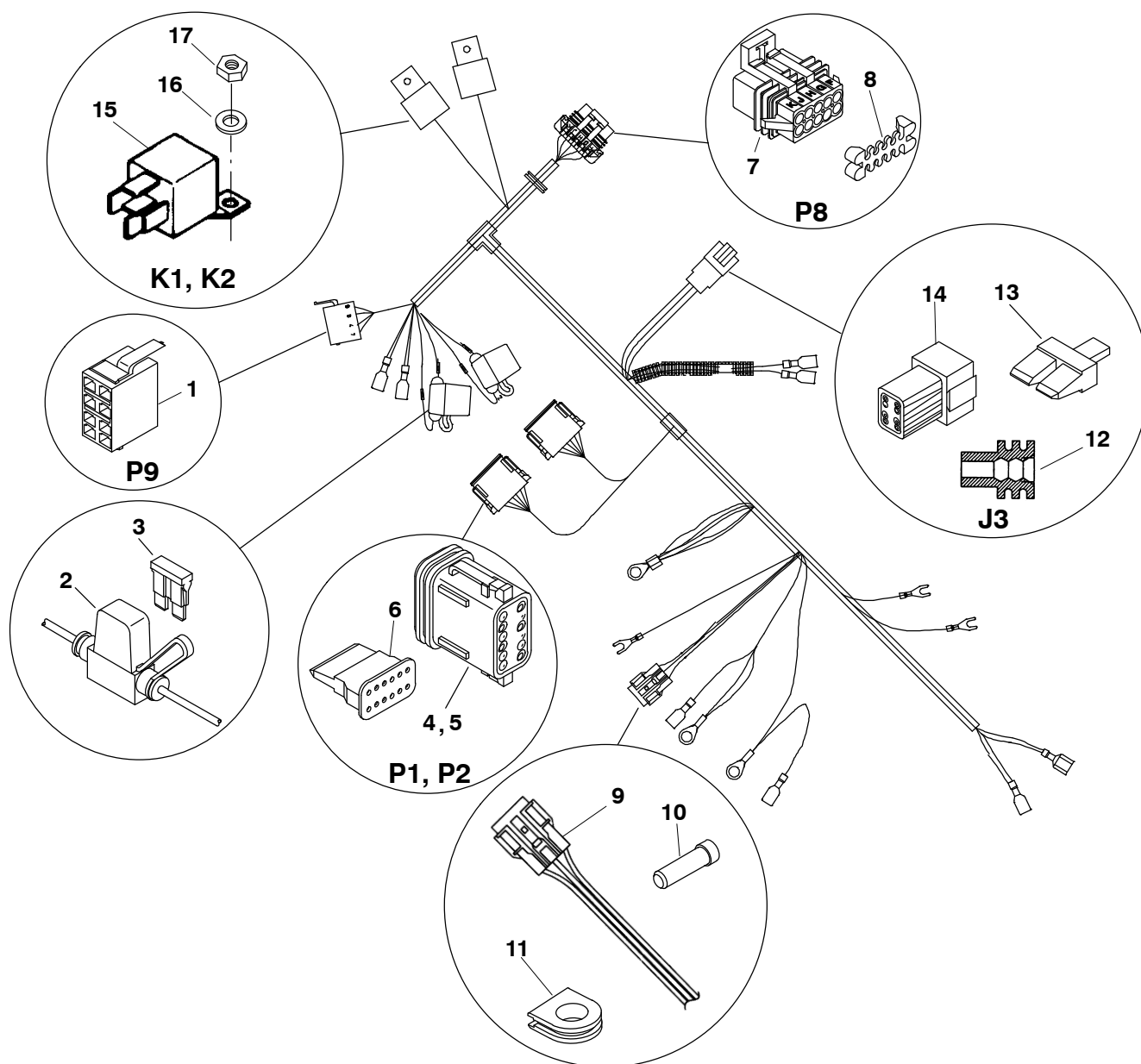
> - Parts Included in Generator Brush Block Assy.

Control (Begin Spec C)



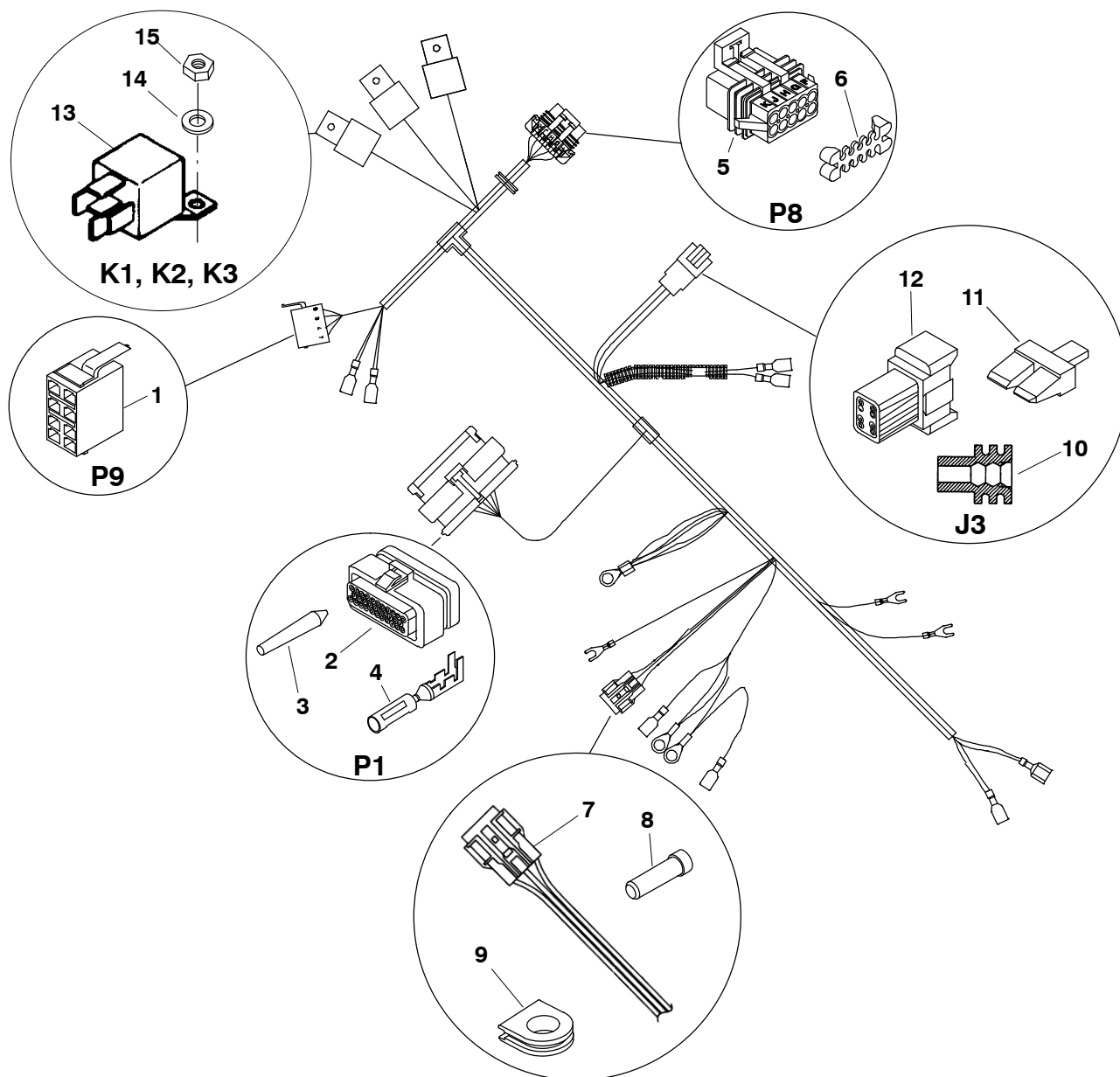
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-6001	1	PCB (Control)	4	319-5199-03	1	Bracket, Control
2	405-7808	1	Insulation, Cover Plug	5	815-0943-02	1	Screw, Hex Thread Form
3	319-5200-03	1	Cover, Control (Generator Intake)	6	821-2096-02	3	Screw, Locking Flange (M6 x 12mm)

Engine Harness (Spec A)



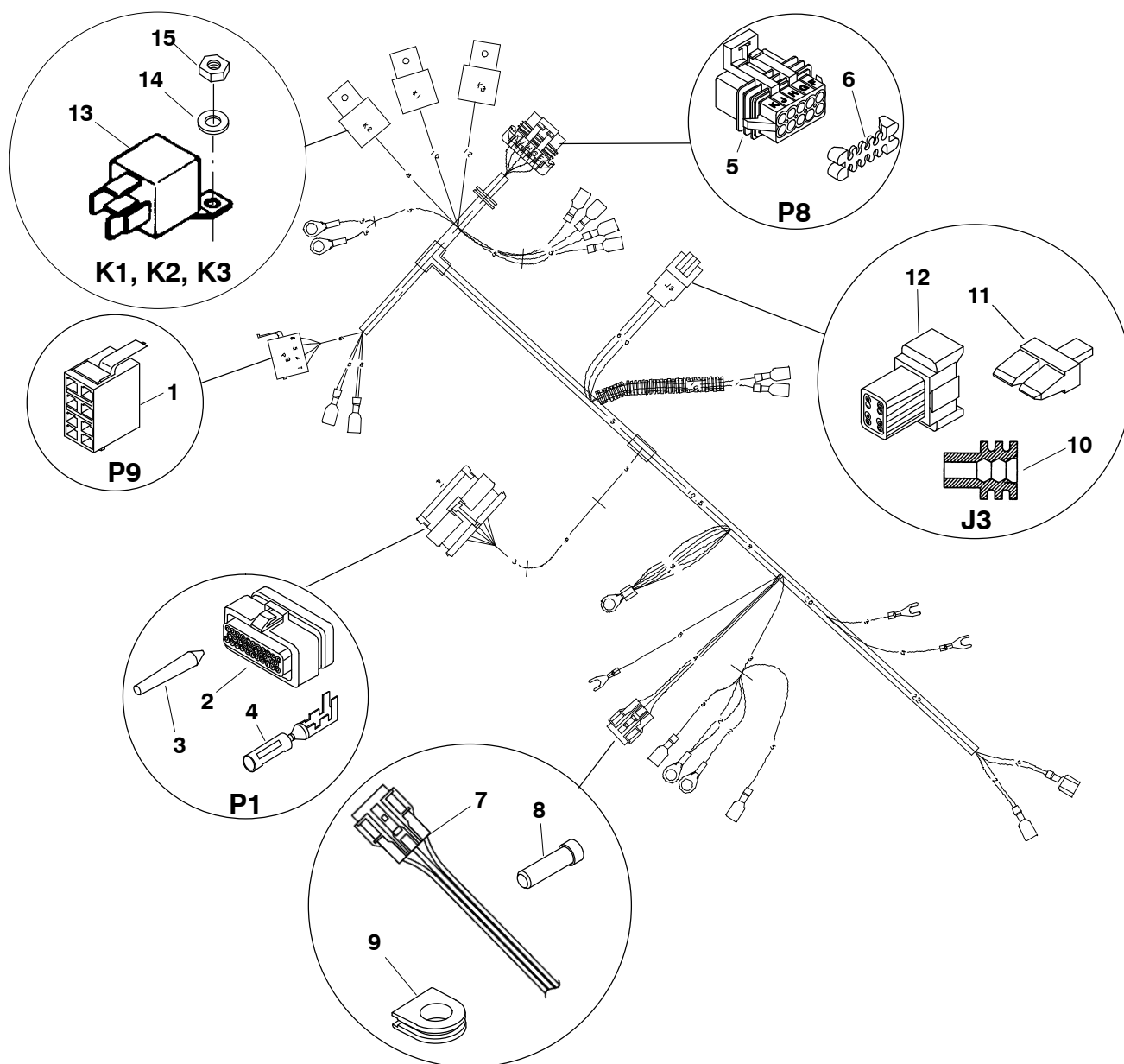
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3575	1	Harness, Engine	9	323-1773	AR	Connector, Alt
1	308-1019	1	Connector, Switch (P9)	10	323-1591	2	Plug, Cavity
2	321-0322	2	Holder, Fuse (F1)	11	508-1105	1	Grommet
3	321-0321-07	1	Fuse (15A, F1 and F2)	12	323-1708	AR	Seal, Cable
4	323-1582	1	Connector, Plug (12 Pin) (P1)	13	323-1544	1	Wedge (J3)
5	323-1582-02	1	Connector, Plug (12 Pin) (P2)	14	323-1542	1	Connector (8 Pin) (J3)
6	323-1583	2	Wedge, Plug (12 Pin) (P1, P2)	15	307-1886	2	Relay (K1 and K2)
7	323-1711	1	Connector, Plug (10 Pin) (P8)	16	526-0003	2	Washer
8	323-1719	1	Lock, Housing	17	860-2005	2	Nut, Lock Flange (M4 x 1)

Engine Harness (Spec C)



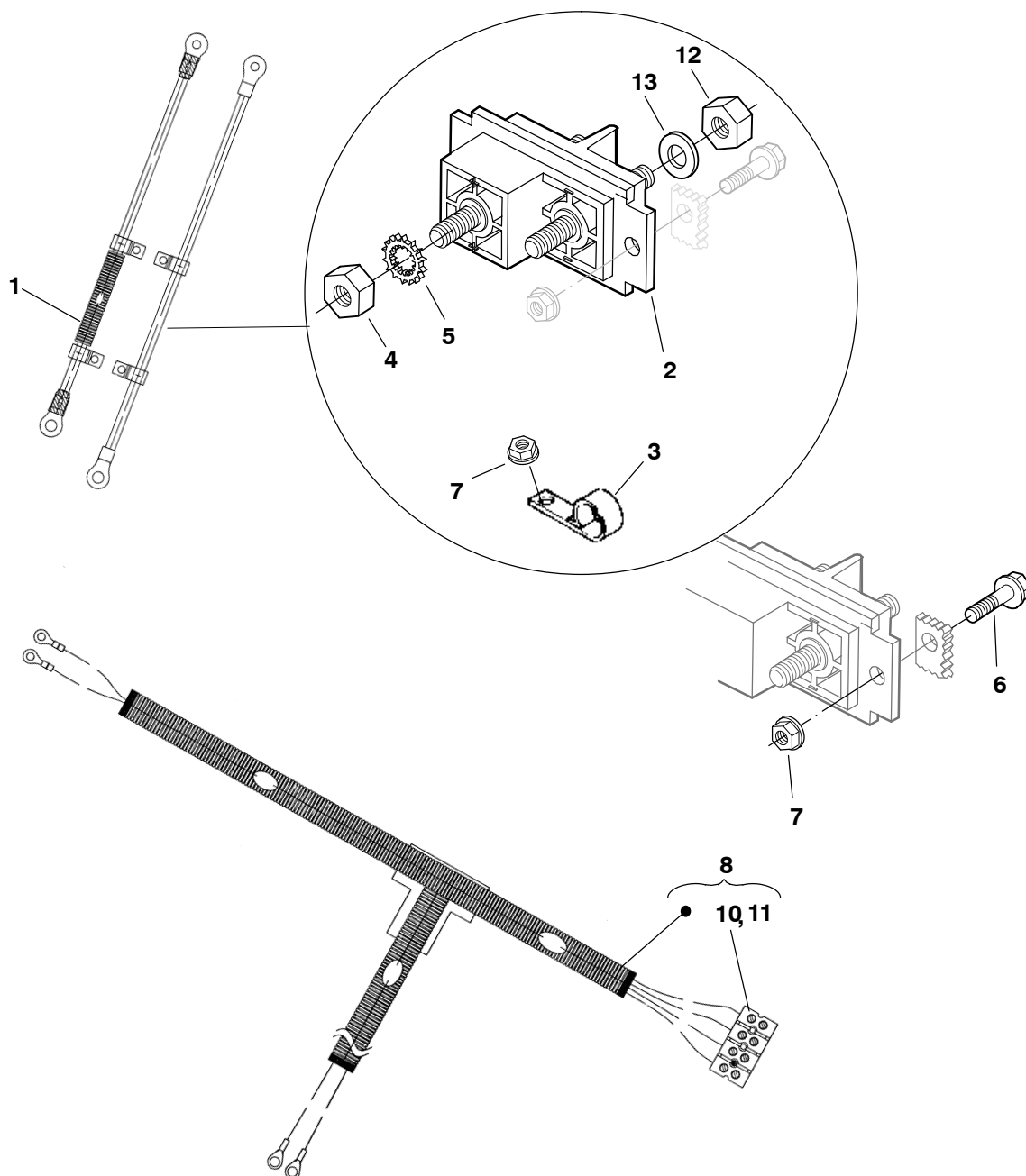
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-4383	1	Harness, Engine	8	323-1591	2	Plug, Cavity
1	308-1019	1	Connector, Switch (P9)	9	508-1105	1	Grommet
2	323-1819-01	1	Connector, Plug (35 Pin) (P1)	10	323-1708	AR	Seal, Cable
3	323-1615	5	Plug, Cavity (P1)	11	323-1544	1	Wedge (J3)
4	323-1614-01	AR	Socket, Terminal (P1)	12	323-1542	1	Connector (8 Pin) (J3)
5	323-1711	1	Connector, Plug (10Pin) (P8)	13	307-1886	3	Relay (K1 and K2)
6	323-1719	1	Lock, Housing	14	526-0003	3	Washer
7	323-1773	AR	Connector, Alt	15	860-2005	3	Nut, Lock Flange (M4 x 1)

Engine Harness (Begin Spec D)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-4503	1	Harness, Engine	8	323-1591	2	Plug, Cavity
1	308-1019	1	Connector, Switch (P9)	9	508-1105	1	Grommet
2	323-1819-01	1	Connector, Plug (35 Pin) (P1)	10	323-1708	AR	Seal, Cable
3	323-1615	5	Plug, Cavity (P1)	11	323-1544	1	Wedge (J3)
4	323-1614-01	AR	Socket, Terminal (P1)	12	323-1542	1	Connector (8 Pin) (J3)
5	323-1711	1	Connector, Plug (10Pin) (P8)	13	307-1886	3	Relay (K1 and K2)
6	323-1719	1	Lock, Housing	14	526-0003	3	Washer
7	323-1773	AR	Connector, Alt	15	860-2005	3	Nut, Lock Flange (M4 x 1)

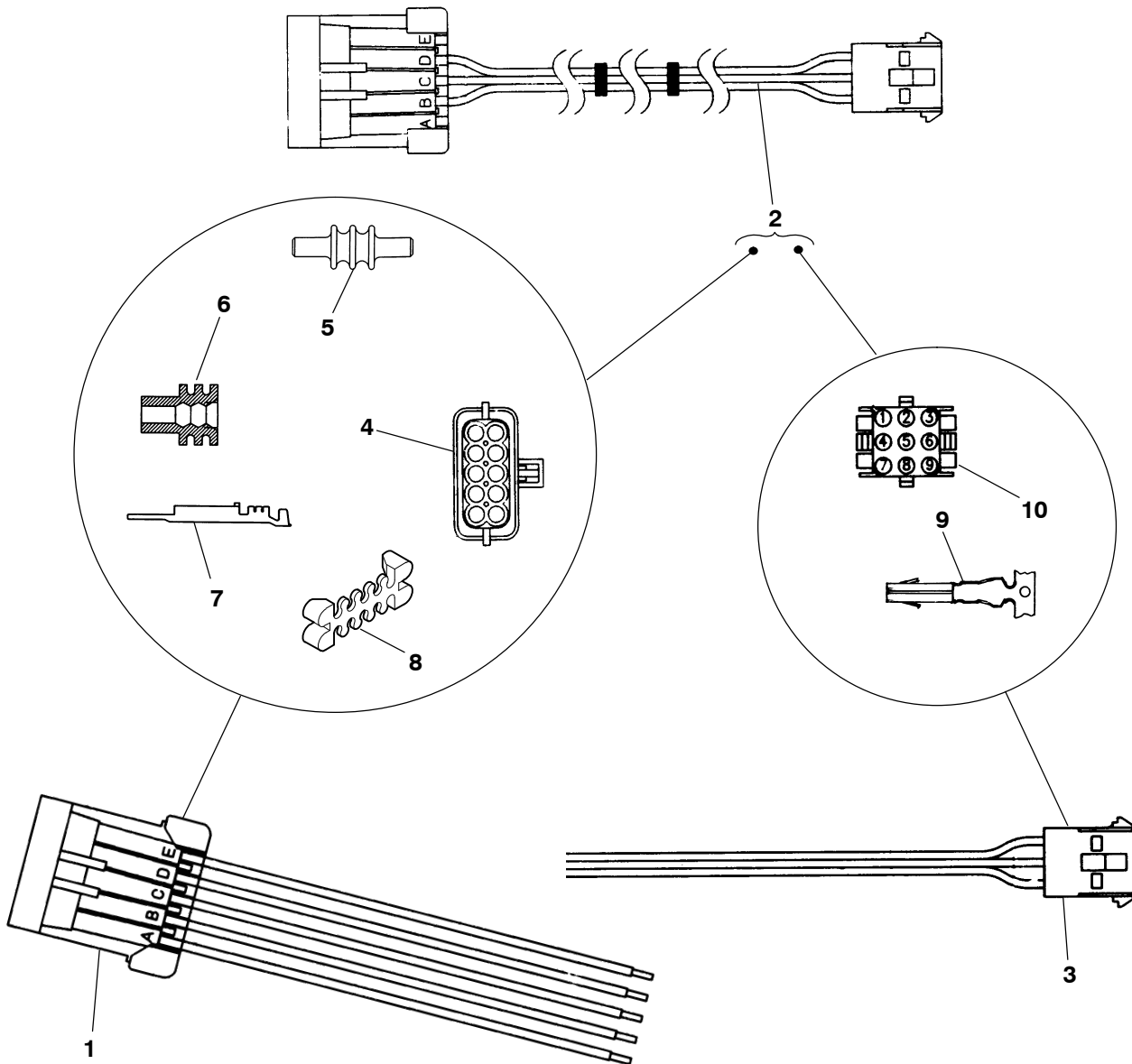
Battery/AC Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3577	1	Harness, Wiring (Includes Parts Marked *)	9	338-4384	1	Harness, AC (Includes AC Terminal Block)(Begin Spec C)
2	332-3408	1	*Block, Terminal (TB1)	10	332-3531-03	1	Block, AC Terminal (TB2)
3	332-1554	4	*Clamp, Insulated Loop	11	812-0070	2	Screw, Round Head Machine (6-32 x 1-1/4")
4	862-0015	2	*Nut, Hex (5/16-18)	12	871-0025	2	Nut, Hex Brass (5/16-18)
5	856-0008	2	*Washer, EIT Lock (5/16")	13	526-0054	2	Washer, Flat (5/16")
6	821-2096-03	2	Screw, Lock Flange (M6 x 1 x 16mm)				
7	870-2054	5	Nut, Lock Flange (M6 x 1)				
8	338-3576	1	Harness, AC (Includes AC Terminal Block)(Spec A)				

* - Parts Included in Battery Wiring Harness.

Remote Harnesses

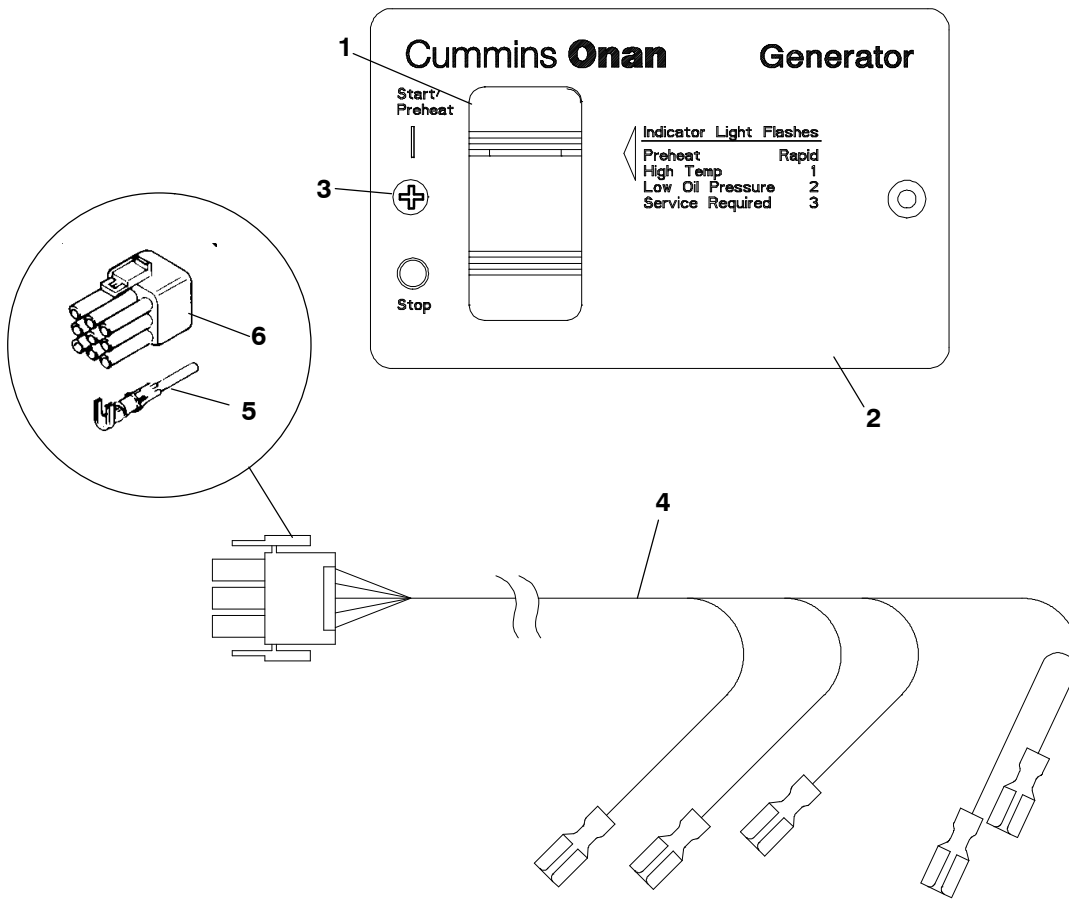


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4947	1	Harness, Remote (Includes Parts Marked *)
2			Harness, Remote Panel (Includes Parts Marked +)
	338-3490-01	1	10'
	338-3490-02	1	30'
3	338-3573	1	Harness, Adapter (Includes Parts Marked #)
4	323-1710	1	+*Connector, Receptacle
5	323-1712	2	+*Plug, Cavity

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	323-1708	8	+*Seal, Cable
7	323-1707	8	+*Pin, Contact
8	323-1719	1	+*Housing, Lock
9	323-1200	AR	+*Socket, Contact
10	323-1325	1	+*Cap, Connector*

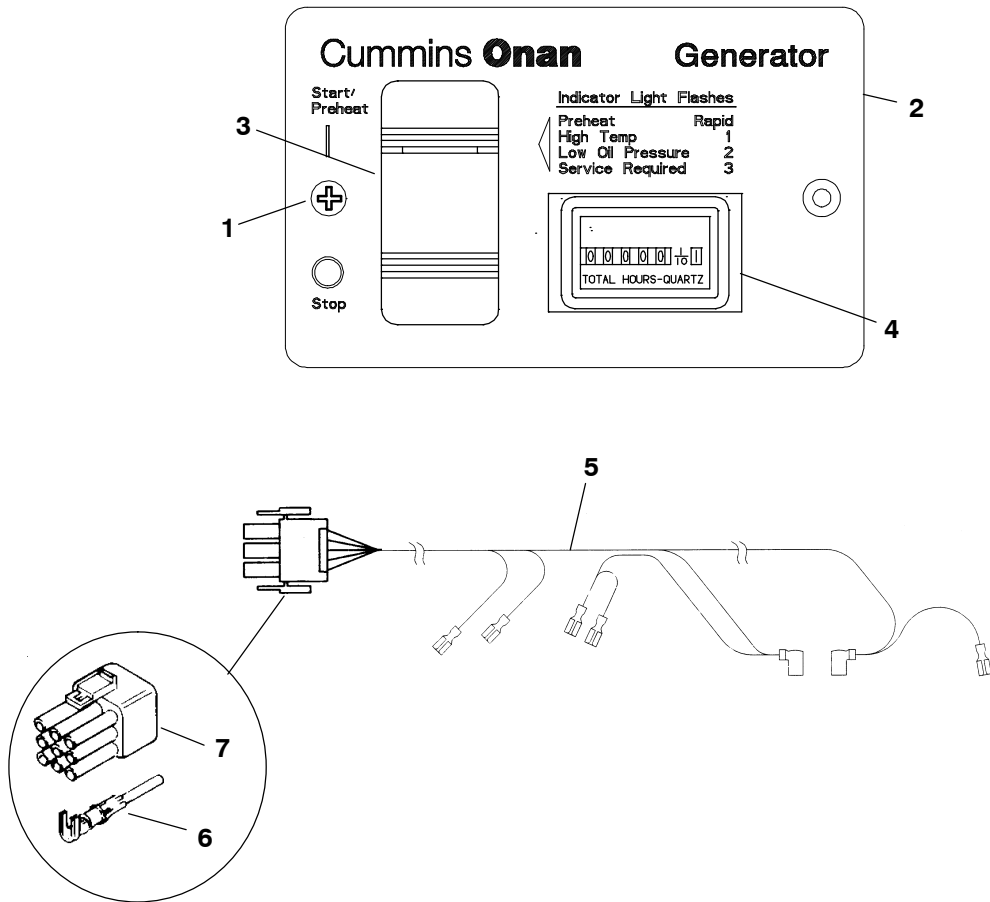
- Parts Included in Remote Harness (300-4947).
+ - Parts Included in Remote Panel Harness (338-3490).
- Parts Included in Adapter Harness (338-3573).

Remote Control Panel



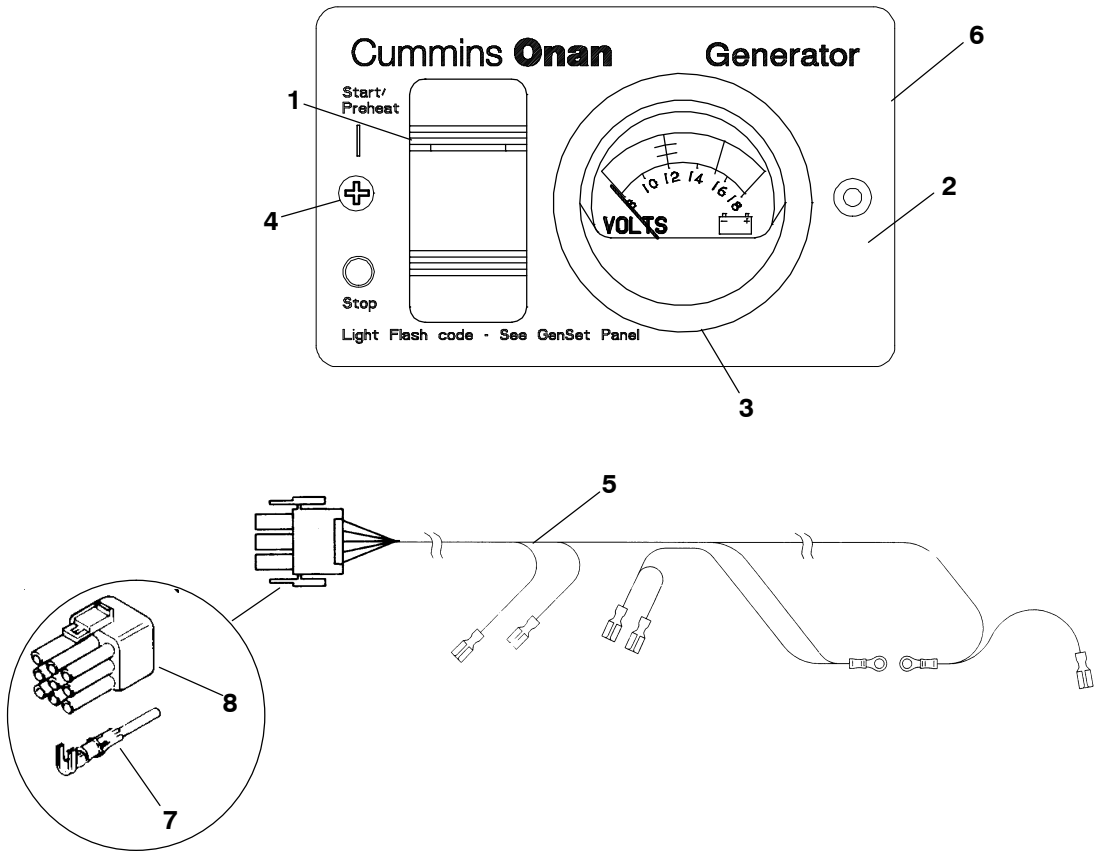
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4942	1	Kit, Remote Panel	4	338-3812	1	Harness, Remote Panel
1	308-1062	1	Switch, Rocker (S11)	5	323-1199	4	Pin, Contact
2	319-6988-01	1	Panel, Remote (Includes Label)	6	323-1291	1	Plug (9 Pin)
3	815-0910	2	Screw, Wood (#6 x 1)				

Remote Switch/Hourmeter Panel



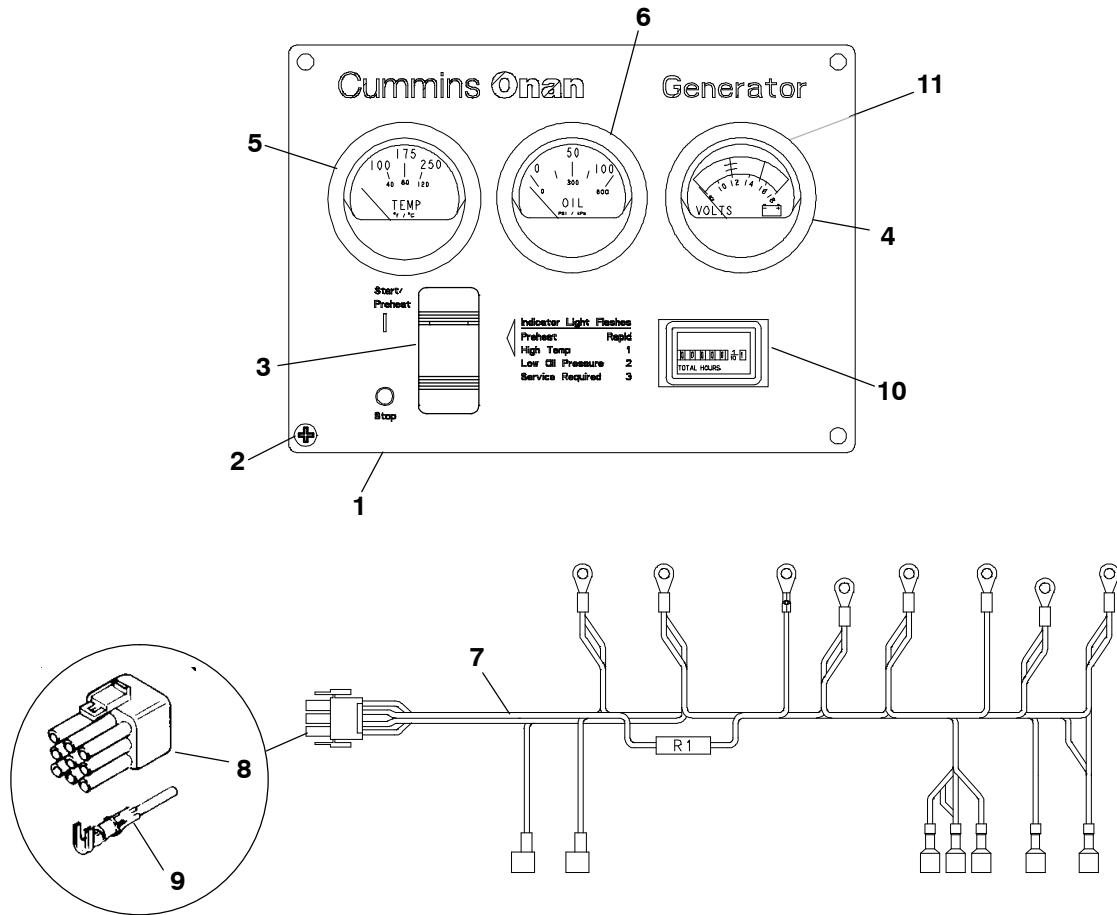
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4943	1	Kit, Switch/Hourmeter Remote Panel	4	302-2002	1	Hourmeter
1	815-0910	2	Screw, Wood Mounting (#6 x 1)	5	338-3475	1	Harness, Remote Panel (Includes Pins and Plug)
2	319-6988-02	1	Panel, Printed	6	323-1199	4	Pin, Contact
3	308-1062	1	Switch, Rocker	7	323-1291	1	Plug (9 Pin)

Remote Switch/Voltmeter Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4944	1	Kit, Remote Switch/Voltmeter Panel	6			Hardware, Meter Mounting
1	308-1062	1	Switch, Rocker	526-0409	2		Washer, Nylon (3/16")
2	319-6989-03	1	Panel, Printed	526-0049	4		Washer, Flat (#10)
3	302-1641	1	Meter, Voltage	871-0010	4		Nut, Hex Brass Machine (#10-32)
4	815-0910	2	Screw, Wood Mounting (#6 x 1)	850-0030	2		Washer, Lock (#10)
5	338-3509	1	Harness, Remote Panel (Includes Pins and Plug)	7	323-1199	4	Pin, Contact
				8	323-1291	1	Plug (9 Pin)

Remote Gauge Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-5027	1	Kit, Remote Gauge Panel	8	323-1291	1	Plug (9 Pin)
1	319-6993	1	Panel, w /Decal	9	323-1199	8	Pin, Contact
2	808-0023	4	Screw, Pan Head Sheet Metal Mounting (#8 x 1/2")	10	302-2002	1	Hourmeter
3	308-1062	1	Switch, Rocker (SPDT)	11			Hardware, Meter Mounting
4	302-1641	1	Meter, Voltage	526-0409	8		Washer, Nylon (3/16")
5	193-0351	1	Gauge, Water Temperature	526-0049	16		Washer, Flat (#10)
6	193-0352	1	Gauge, Oil Pressure	871-0010	16		Nut, Hex Brass Machine (#10-32)
7	338-3637	1	Harness, Remote Panel (Includes Plug and Pins)	850-0030	8		Washer, Lock (#10)

Labels, Miscellaneous

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Label, Control Panel(Spec A)	98-7916	1		Label, Emissions
98-7399-01		1	45A, 2 Pole				10kW HDCAA
98-7399-02		1	50A, 2 Pole				Label , Model Ident (10000)
			Label, Model Ident	98-7398-01	2		Label , Information
			Voltage	98-8192-01	1		(Breaker 45 AMP)
98-7476		1	Label, Packaged (Includes	98-8191	1		Label , Information
			Parts Marked *) (Spec A)				(Control Panel)
98-8190		1	Label, Packaged (Includes	98-7494-03	1		Label , Listed
			Parts Marked +)				
			(Begin Spec C)				12kW HDCAB
98-7462		1	*Label, Service Information	98-7398-02	2		Label , Model Ident (12000)
98-7464		1	+*Label, Coolant Drain	98-8192-02	1		Label , Information
98-7128		2	+*Label, Warning Hazardous				(Breaker 50 AMP)
			Voltage/Rotational Parts	98-8191	1		Label , Information
98-7498-01		1	+*Label, Warning Hazardous				(Control Panel)
			Voltage (Terminal ID)	98-7494-03	1		Label , Listed
98-7463		1	+*Label, Fuel Attachment				
98-6877		1	+*Label, Hot / Cold				
98-7497-01		1	+*Label, Warning Install				
98-7130		1	+*Label, Warning Heat				
98-6476		1	+*Label , Ground				
98-7498-02		1	+*Label, Warning Hazardous				
			Voltage (Terminal ID)				
98-7515-01		1	Label, Warning Voltage				
			(Spec A)				
98-8816		1	Label, Certification				

* - Parts Included in Label Package Spec A.

+ - Parts Included in Label Package Begin Spec C.

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